

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

LIBRARY
RECEIVED
DEC 10 1917

AUTUMN 1917

ZULU

BARTIGON

THE FAWN

GESNERIANA
LUTEA

THESE FIVE SPLENDID
TULIPS OFFERED
COLLECTION ON
PAGE 11

INGLESOMBE
PINK

New *and* Rare
Darwin *and* Cottage
Tulips

*Narcissi, Lilies, Hyacinths,
Hardy Plants*

*Some of the Darwin
and Cottage Tulips
growing at our Trial Grounds,
Western Springs, Ill. May, 1917.*

43
Barclay St.
NEW YORK

VAUGHAN'S SEED STORE

31-33 W.
Randolph St.
CHICAGO

Spring Flowering Bulbs

For Autumn Planting



LATE-FLOWERING TULIPS AMONG THE PEONIES

THERE are some garden lovers who seldom look upon Autumn as planting time, and we (whose offerings of plants, bulbs and seeds cover the entire range of horticulture) sometimes find it difficult to impress upon our customers the importance of Autumn planting, particularly the large and numerous classes of Spring flowering Bulbs, which cannot be planted at any other time with success. When planted in the Fall these bulbs produce in the Spring a brilliant succession of flowers from the earliest crocuses to the late flowering tulips, which bloom almost with the peonies. All of course, have their special purpose and charm but the Cottage and Darwin Tulips and various Narcissi win most favor.

Through the generous support of our many friends (both amateur and professional) we have been enabled to offer the latest British and Continental Novelties that show special improvements and new departures from the older kinds. This year, we are confronted with unusual over-seas shipping difficulties but assured (July 20) that Dutch Cargo Steamers will come. Freights, Marine and war risks are double usual costs; on late bulb orders, prices may advance.

When ordering, please follow these Instructions and Suggestions

When to Order Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheets accompanying this catalog. One order sheet is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only.

Don't put plants and trees on the same order sheet with bulbs and seeds.

Important Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

Keep a Copy of Your Order Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with goods or notice sent.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form) odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits.

Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: **September 1**—Lilium Candidum, Roman Hyacinths, Lilium Harrisii, Freesias, Peonies. **September 15**—Hyacinths, Daffodils and Narcissi, Tulips and other Dutch bulbs, Callas. **October 20**—Full supply of Lilies, Chinese Narcissus, Dahlias and Gladiolus. **November 10**—Spiraea and Lily of the Valley, new crop Tuberoses. **Perennial Plants, September 15** until frost; **Trees and Shrubs** and all nursery stock, **October 1st** until frost.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We wish it understood that our stocks are sold under the following general non-warranty:

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods. **VAUGHAN'S SEED STORE, Incorporated.**

PARCEL POST Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.			
First Zone	Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone	within 50 to 150 miles of either	5c.	1c.
Third Zone	within 150 to 300 miles	6c.	2c.
Fourth Zone	within 300 to 600 miles	7c.	4c.
Fifth Zone	within 600 to 1000 miles	8c.	6c.
Sixth Zone	within 1000 to 1400 miles	9c.	8c.
Seventh Zone	within 1400 to 1800 miles	11c.	10c.
Eighth Zone	all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c.); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

IMPORTANT! IMPORTANT! **READ THIS FIRST!!**

From information received today, Sept. 6th, we fear the Dutch Government will interfere with shipping of part of the DUTCH BULBS. We, therefore, under such conditions, cannot be bound by the prices printed in this catalog. We would also have to make some substitutions, so please inform us when ordering, that this will be agreeable to you. Of course this does not apply to such bulbs as FRENCH ROMAN HYACINTHS, CHINESE SACRED LILIES, PAPER WHITE NARCISSUS, AMARYLLIS, CALLAS, FREESIAS and LILIES, of which we have a supply and will fill orders as long as stock lasts. We give below a list of

WELL MATURED HEAVY BULBS (FOR FORCING
OR BEDDING)
of which we can make prompt shipment.

DOUBLE NOSE BULBS

	Doz.	100	1000
Emperor.....	\$0 60	\$4 00	\$35 00
Barri Conspicuous.....	35	2 00	18 00
Poeticus.....	30	1 50	12 00
Poeticus Ornatus.....	35	2 00	17 00
Mrs. Langtry.....	35	2 10	19 00

SINGLE NOSE BULBS

Emperor.....	\$0 45	\$3 00	\$25 00
Barri Conspicuous.....	30	1 50	13 00
Poeticus.....	25	1 25	10 00
Mrs. Langtry.....	35	1 75	15 00
Rugulosus.....	30	1 50	13 00

31-33 W. Randolph St.
CHICAGO

Vaughan's Seed Store

43 Barclay Street
NEW YORK

NOV 8 1917



BULBS For Natural Effects

For planting in woodlands, meadows and along streams, these fall-planted bulbs are coming into favor more rapidly every year as their merit becomes better known. These bulbs, especially daffodils when planted in clumps in a sheltered, sunny spot, will produce a mass of color in the early spring, when the rest of nature is asleep. When once planted, they remain for years, the clumps increasing in size and vigor.

Daffodils in long irregular lines along streams, or by the edge of the woodland are extremely effective, but if several varieties are planted they should be kept separate, so that each group will give its fullest display, as all varieties do not flower at exactly the same time. Nearly all bulbs for naturalizing are quite inexpensive, and the annual benefit derived from them for a small outlay is good reason for planting in large quantities.

Below we give some suggestions for planting.

For descriptions of these Bulbs we refer you to pages two to twenty-three of this Catalogue.

(The proper depths at which various bulbs should be planted are given on next page.)

For Meadows and Along Streams

	Per 100	Per 1000
Crocus, Named Varieties.....	\$1.30	\$10.50
Crocus, Mixed Colors.....	.75	6.50
Narcissus, Single Poeticus.....	1.20	9.50
Narcissus, Barri Conspicuus.....	1.45	12.50
Narcissus, Incomparabilis Autocrat.....	2.25	20.00
Narcissus, Incomparabilis Stella.....	1.50	13.00
Narcissus, Incomparabilis Cynosure.....	1.60	14.00
Narcissus, Leedsii, Mrs. Langtry.....	1.50	13.00
Narcissus, Large Trumpet Golden Spur.....	2.40	22.00
Narcissus, Large Trumpet Princeps Maximus.....	1.50	13.00
Narcissus, Large Trumpet Empress (Bicolor).....	2.40	22.00
Narcissus, Double Von Sion, Fancy.....	2.60	23.00
Tulips, May Flowering, Vaughan's Special Mixed..	1.75	15.00
Tulips, Darwin, Vaughan's Special Mixed.....	1.85	16.00

Tulips for Perennial Borders

We strongly recommend the planting of **Darwin** and **Cottage Tulips** in clumps and masses among hardy plants. All are perfectly hardy, and there is nothing to equal them for color and grace, standing boldly over the green foliage of the growing perennial plants in May. In our collections of these, will be found every imaginable shade, and for cutting they are invaluable, particularly the **Cottage Varieties** as most of them are deliciously scented.

Select varieties that will harmonize in color, and spade over the plots in the border before planting, adding a couple of handfuls of bonemeal to each square yard, then plant the bulbs 6 inches apart and from 4 to 5 inches deep. Don't mix the colors indiscriminately (this spoils their full effect) but plant each kind separately. A dozen or so of a sort will give a good showing in small gardens, while the larger borders will accommodate from 100 to 250 bulbs of a kind. The Dwarf Phlox Divaricata is an excellent companion to the Lavender and Purple shades, while Phlox Subulata Rosea and P. Amoena Rosea make suitable carpeting for the Red and Pink shades. Alyssum saxatile can be used to advantage with the yellow and red Cottage Tulips.

Planting in Grass

In planting bulbs in grass a circular hole about 5 or 6 inches deep should be made with a bulb planter or small trowel. The former is preferable, and description and price of same will be found on next page. If the soil is poor, some prepared compost containing a fair proportion of bone meal should be placed under and over the bulb, and the sod replaced on top.

For Woodland Planting

	Per 100	Per 1000
Crocus, Named Varieties.....	\$1.30	\$10.50
Crocus, Mixed Colors.....	.75	6.50
Eranthis Hyemalis (Winter Aconite).....	1.15	8.00
Lily of the Valley (clumps) per doz \$4.00.....	25.00	
Lilium Candidum (First Size).....	8.00	75.00
Narcissus, Princeps Maximus.....	1.50	15.00
Narcissus, Empress.....	2.40	22.00
Narcissus, Cynosure.....	1.60	14.00
Narcissus, Sir Watkin.....	2.10	19.00
Narcissus, Barri Conspicuus.....	1.45	12.50
Narcissus, Leedsii, Mrs. Langtry.....	1.50	13.00
Scilla Siberica, Select.....	1.15	8.00
Scilla Campanulata, White.....	1.20	9.00
Scilla Campanulata, Blue.....	1.15	8.00
Scilla Campanulata, Rose.....	1.20	9.00
Trillium, Grandiflorum.....	4.50	40.00

For Planting on the Lawn

Bulbs may be planted in clumps or lines on the lawn, adding a tone of brightness to what might be otherwise a barren patch. All being early flowers, they are quite over before the grass will require first mowing, and will not interfere with this work.

	Per 100	Per 1000
Crocus, Named Varieties.....	\$1.30	\$10.50
Crocus, Mixed Colors.....	.75	6.50
Chionodoxa Lucillae.....	1.50	12.00
Chionodoxa Sardensis.....	1.60	13.00
Grape Hyacinths, White.....	1.10	8.00
Grape Hyacinths, Blue.....	1.20	9.00
Grape Hyacinths, Feathered.....	1.25	10.00
Narcissus, Poeticus Ornatus.....	1.50	12.00
Narcissus, Barri Conspicuus.....	1.50	12.50
Narcissus, Golden Spur.....	2.40	22.00
Narcissus, Princeps Maximus.....	1.50	13.00
Narcissus, Double Von Sion (Fancy).....	2.60	23.00
Scilla Siberica, Select.....	1.15	8.00
Scilla Campanulata, White.....	1.20	9.00
Scilla Campanulata, Blue.....	1.15	8.00
Scilla Campanulata, Rose.....	1.20	9.00
Snowdrops, Single.....	1.30	11.00
Snowdrops, Double.....	1.75	15.00



DAFFODILS NATURALIZED IN GRASS





Vaughan's Hyacinth Beds

These prices are for our Fancy "Bedding Grade" Bulbs which give large and satisfactory spikes. If first size named kinds are required please remit double the price.

- No. 1. Round Bed.** 5 ft. diam. 100 Bulbs in four varieties. Fancy Bedding Grade. **Price, \$4.50.**
- No. 2. Square Bed.** 6 ft. sides. 200 Bulbs in three varieties. Fancy Bedding Grade. **Price, \$9.00.**
- No. 3. Oblong Bed.** 6 ft. x 3 ft. 60 Bulbs in 2 colors. Fancy Bedding Grade. **Price, \$2.70.**

Early Tulips—Single Varieties

The following quantities are for Round Beds 6 ft. in diameter. Bulbs planted 4 inches apart.

- No. 4.** 150 Belle Alliance, scarlet (center); 120 Chrysolora, yellow (outside). **Price, \$5.25.**
- No. 5.** 150 Cottage Maid, pink (center); 120 Cottage Boy, orange (outside). **Price, \$5.50.**
- No. 6.** 150 Keizerkroon, red and yellow (center); 120 Chrysolora, yellow (outside). **Price, \$5.75.**

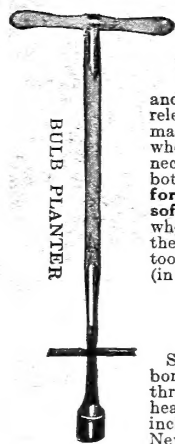


Bulb Planter

Specially designed for planting Daffodils and other bulbs in grass. This tool cuts and lifts a clean circular piece of turf which is released from the cup when the second hole is made, and lies ready at hand to fill in the holes when the bulbs have been put in, it being only necessary to remove a little of the soil from the bottom of the sod. A time must be chosen for planting when the ground has become softened after early autumn rains and not when in a hard and baked condition, as it is then impossible to use this or indeed any other tool with success. Each (in Chicago) \$3.75; (in New York) \$3.50.

Bulb Dibber

Specially designed for dibbling bulbs into borders, etc.; steel shod, with strong iron thread and cross wooden handle; a good strong heavy tool, weight about 6½ lbs., length 36 inches over all. Each (in Chicago) \$3.75; (in New York) \$3.50.



Vaughan's Model Beds

WITH EFFECTIVE COLOR SCHEMES

IN order to assist those of our customers who are not familiar with the arranging of beds, we offer the following collections. We, of course, take special care to select only such varieties as will flower at the same time and be of the proper height. Many brilliant color effects can be produced from Tulips that are impossible to secure with other plants. We shall be pleased to advise our customers with regard to other shapes and designs of beds that they may have, advising number of bulbs required.

Prices quoted are for shipment by express at purchaser's expense.

In the accompanying photos the Primroses at edge of beds are planted in the early Spring as the bulbs come through.

The White Arabis and Forget-me-nots in between are planted in the Fall with the bulbs.

Early Tulips—Double Varieties

- No. 7.** 150 Imperator Rubrorum, scarlet (center); 120 Murillo, pinkish white, (outside). **Price, \$7.75.**
- No. 8.** 150 Brimstone Beauty, yellow (center); 120 Rubra Maxima, scarlet (outside). **Price, \$8.50.**

Darwin and Cottage Tulips

Here are some suggestions for color schemes that are effective to use, when planting these bulbs in borders, shrubberies or beds. For heights and descriptions see general lists. **D**—Darwin; **C**—Cottage.

Bartigon (D) scarlet..... **Gretchen (D)** blush
Velvet King (D) maroon..... **Suzon (D)** pink
Gesneriana Lutea (D) yellow..... **Glare of the Garden (C)** red
Mrs. Moon (C) yellow..... **La Merveille (C)** flame
Ges. Lutea Pallida (C) pale yellow..... **Emerald Gem (C)** shrimp red
The Sultan (D) maroon..... **Bouton d'Or (C)** golden yellow
Dream (D) lavender blue..... **The Fawn (C)** grayish fawn

A Grand Combination

for Oval Bed, 5 Ft. x 10 Ft.

CENTER, 24 Mrs. Moon (C) yellow **Price for Bed \$4.00**
MIDDLE (1 row) 12 Dielytra Spectabilis, 1 ft. apart
OUTSIDE (3 rows) 100 Bouton d'Or (C) golden yellow (not prepaid)
 Quantities can be arranged for beds of other shapes and sizes.

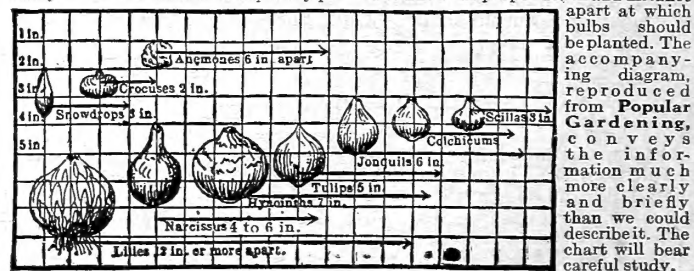
Number of Bulbs required for Circular Beds

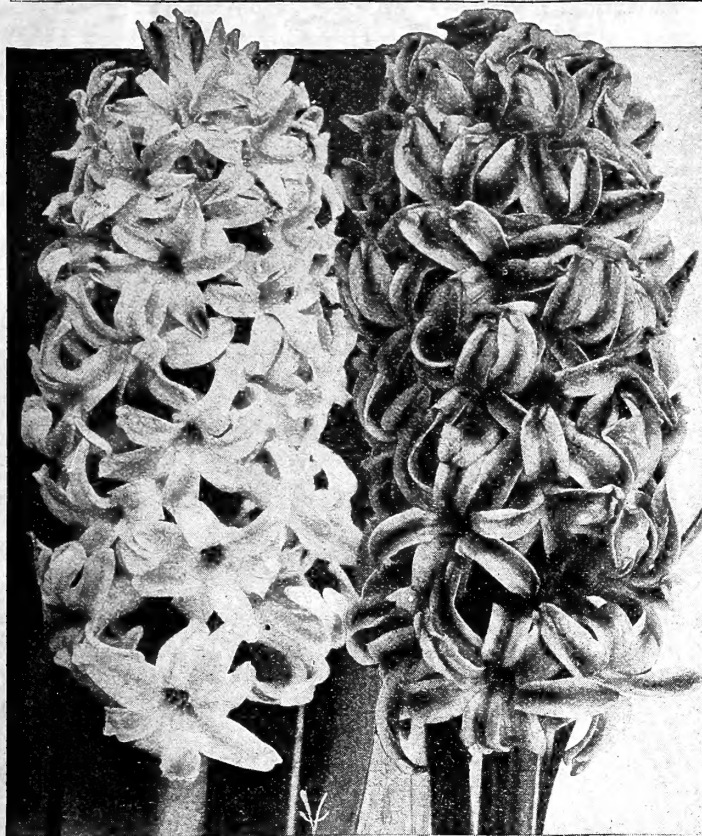
Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 feet.....	127	95	37	...
4 feet.....	217	127	61	37
5 feet.....	331	225	91	69
6 feet.....	469	271	127	78
7 feet.....	631	410	169	96
8 feet.....	817	469	217	127
9 feet.....	1027	650	271	156
10 feet.....	1261	721	331	190
11 feet.....	1519	940	397	240
12 feet.....	1801	1027	469	271

Fertilizers for Bulbs Successful growers of such Bulbs as Tulips, Daffodils, Hyacinths, etc., have found by an expensive and disappointing experience that the ammonia of fresh stable manure is absolutely fatal to bulbs. If stable manure is used it should be at least 6 or 8 months old, and dug in well underneath the bulbs. **The safest fertilizer for all bulbs is Bone Meal,** applied at the rate of 500 lbs. to the acre or 2 oz. to a square yard.

Depth at Which Bulbs Should be Planted

Many of our customers are frequently puzzled to know the proper depth and distance





VAUGHAN'S EXHIBITION HYACINTHS

Vaughan's Hyacinths

CULTURAL DIRECTIONS

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a cool place, covering them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. If the water in the glass becomes foul or diminished, replace it with fresh water.

GARDEN CULTURE.—Bulbs may be planted from September to December, in any good, well drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. The beds should be raised several inches above the surrounding ground, to prevent lodgments of water which causes bulbs to rot. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

NOTE.—Numbers preceding the names indicate the time of flowering: the 1's flowering together and are early, while the 4's are latest.

Price, each, includes postage. Mailing weight, dozen 3 lbs. Add postage for each dozen as per rates on inside front cover.

Exhibition Hyacinths

MONSTER BULBS

We import these bulbs specially for those who wish to grow these extra fancy varieties either for Exhibition or other special purposes.

We have arranged this year with one of our Dutch growers to select the very finest and largest bulbs he has, not of any variety, but of special kinds of superior quality, that will give huge spikes in some of the choicest colors obtainable. They are all single flowered kinds in the following colors.

Red, Pink, White, Blush white, Light and Dark Blue, and Yellow.

Each variety will be carefully packed and named.

NOTE.—Plant in pots, ornamental bowls, or pans; or grow in water in Hyacinth glasses. Not suitable for outdoor cultivation.

Price, each 25c; per doz. \$2.50; per 100 \$18.00.

250 bulbs of one kind supplied at 1,000 rate, 25 at 100 rate, 6 at dozen rate.

Single Hyacinths

FIRST SIZE BULBS—NAMED VARIETIES

Single Red and Rose

	Each	Doz.	100
4 Cardinal Wiseman, dark pink	\$0.12	\$1.25	\$9.00
1 Caribaldi, brilliant red, early	.12	1.25	9.00
1 General Pelissier, deep scarlet	.11	1.15	8.00
2 General de Wet, light pink	.12	1.25	9.00
3 Gertrude, rose pink, medium early: extra fine	.11	1.15	8.00
2 Gigantea, light pink, compact spike: medium early	.11	1.15	8.00
3 La Victoria, brilliant dark pink	.14	1.50	10.00
1 Lady Derby, delicate pink, early forcer	.14	1.50	10.00
2 Moreno, bright pink, broad spike, early	.11	1.15	8.00
3 Robert Steiger, deep crimson, fine bedder	.11	1.15	8.00
3 Roi des Belges, bright scarlet, early	.12	1.25	9.00
4 Rosea Maxima, rose, large truss, late	.14	1.50	10.00
3 Rose a Merveille, rose-pink	.12	1.25	9.00

Single Pure White and Blush

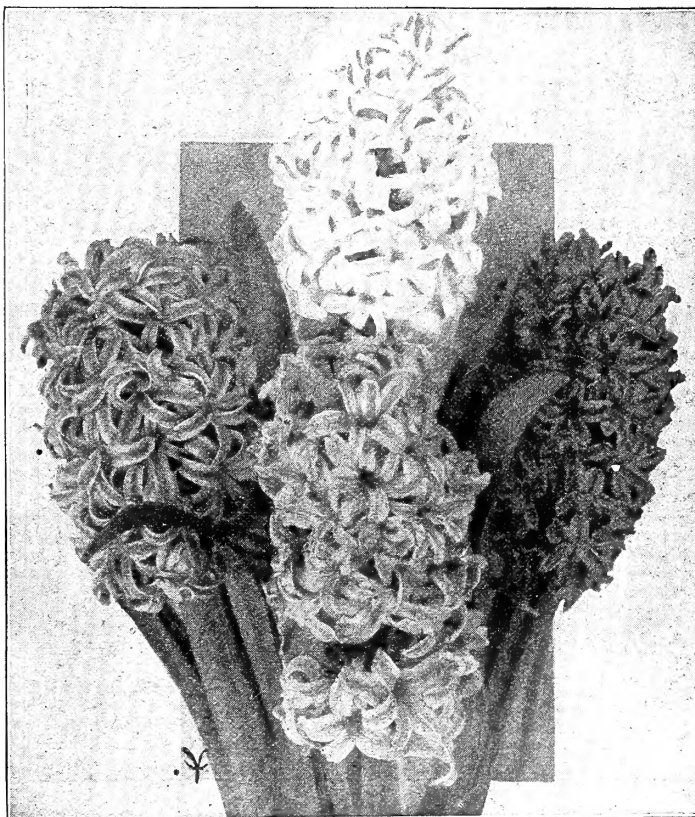
2 Albertine, pure white, early	.11	1.15	8.00
2 Angenis Christina, pure white, early	.12	1.25	9.00
2 Blancheur a Merveille, pure white	.12	1.25	9.00
2 General Vetter, blush white	.12	1.25	9.00
2 Grandeur a Merveille, blush, late	.11	1.15	8.00
3 La Grandesse, pure white, large bells	.14	1.50	10.00
2 L'Innocence, pure white	.14	1.50	10.00
2 Madam Van der Hoop, large spike, late	.12	1.25	9.00
1 Mont Blanc, pure white, large spike, early	.15	1.60	11.00
2 Pavillon Blanc, pure white	.14	1.50	10.00
3 Queen of England, pure white, fine spike	.14	1.50	10.00

Single Blue and Purple

2 Captain Boyton sky blue, large spike	.12	1.25	9.00
2 Competitor, light blue	.12	1.25	9.00
3 Enchantress, porcelain blue	.12	1.25	9.00
2 Grand Maitre, dark porcelain, medium early	.11	1.15	8.00
2 Grand Lilac, early, very handsome	.12	1.25	9.00
2 Johan, light blue, large bell	.11	1.15	8.00
4 King of the Blues, dark, medium only	.12	1.25	9.00
2 Marie, dark, large spike, medium early	.11	1.15	8.00
2 Potgieter, light blue	.12	1.25	9.00
4 Queen of the Blues, light, fine spike	.12	1.25	9.00
1 Regulus, light blue, dark striped, early	.12	1.25	9.00
2 Schotel, light blue, large spike	.14	1.50	10.00

Single Yellow and Orange

2 Buff Beauty, orange yellow	.12	1.25	9.00
3 Ida, pure yellow, early	.12	1.25	9.00
4 King of the Yellows, medium early	.12	1.25	9.00
4 McMahon, pure yellow	.12	1.25	9.00
3 Yellow Hammer	.12	1.25	9.00



VAUGHAN'S FIRST SIZE HYACINTHS (much reduced)

Vaughan's Selected Double Hyacinths First Size Dutch Bulbs

While grown by many, Double Hyacinths do not produce as large a spike as the single sorts, especially when grown in water, yet they are exceedingly beautiful and deserve a place in every garden and home. The varieties we offer below are known to us by actual tests at our trial grounds to be the most satisfactory kinds.

Mailing weight, dozen, 3 lbs.; the price each includes postage.

Double Red and Rose

	Each	Doz.	100
Bouquet Royal. Pink; fine spike, early	\$0.12	\$1.25	\$9.00
Bouquet Tendre. Carmine; medium early .....	.12	1.25	9.00
Chestnut. Bright rose .....	.14	1.50	10.00
Princess Louise. Deep Red .....	.14	1.50	10.00
President Roosevelt. Very lively pink; large spike .....	.12	1.25	9.00

Double Pure White and Blush

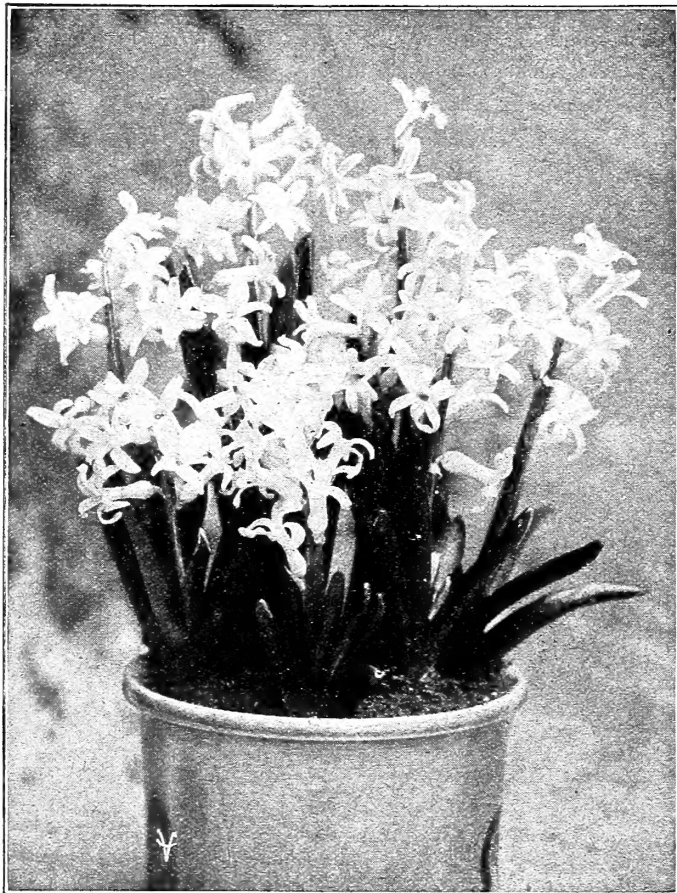
Isabella. White, suffused with rosy blush .....	.12	1.25	9.00
La Grandesse. Splendid snow-white, the best double white .....	.14	1.50	10.00
La Tour d'Auvergne. Fine early, pure white .....	.12	1.25	9.00
Prince Metternich. Blush white .....	.12	1.25	9.00

Double Blue, Lavender and Purple

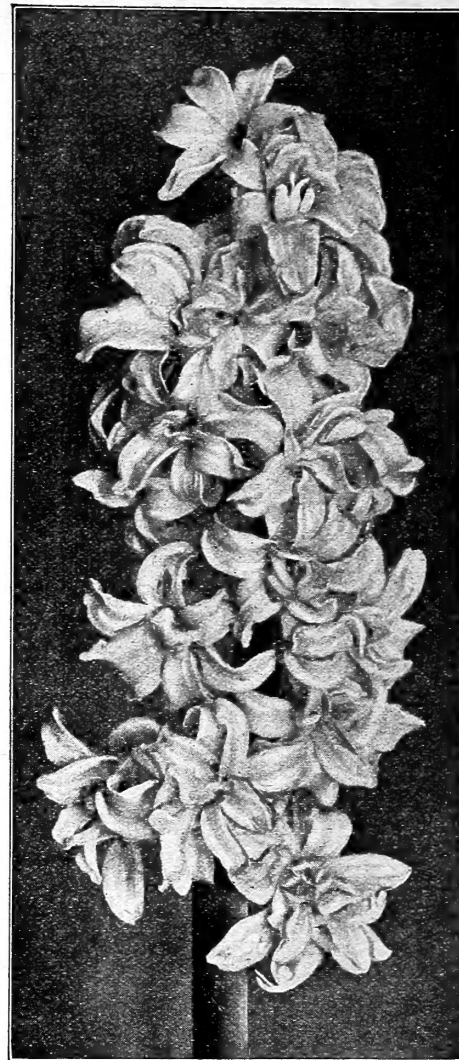
Blocksberg. Bright porcelain-blue, shaded dark blue .....	.12	1.25	9.00
Delicate. Porcelain blue .....	.12	1.25	9.00
Garrick. Clear bright blue; large spike .....	.14	1.50	10.00
General Kohler. Best double blue; very fine for pots .....	.12	1.25	9.00
Prince Saxe-Weimar. Semi-double; late; dark blue .....	.12	1.25	9.00

Double Yellow

Goethe. Orange yellow .....	.12	1.25	9.00
Sunflower. Splendid deep buff-yellow .....	.12	1.25	9.00



ROMAN HYACINTHS—Grown in Fibre



SPIKE OF DOUBLE HYACINTH

Knowlesville,
N. Y.

"I write to thank you for your prompt delivery of my earlier order and to say the bulbs are very satisfactory. It is altogether a pleasure to deal with a company who does business in such a systematic and business-like way.

Many thanks."

Mrs. J. S. Pratt.

French Roman Hyacinths

These beautiful Hyacinths are indispensable to the florist in his fall and winter cut-flower work, while to the amateur they are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced, will bloom in November. The others require from two to three weeks longer. When grown in pots and pans, they are most effective planted in groups of six or more in each. They are not hardy, and will not stand outdoors.

Mailing weight, dozen, 2 lbs.; the price each includes postage.

	Doz.	100
White, First Size.	\$0.75	\$5.00
White, Select Size.	1.00	7.00
White, Mammoth Size.	1.25	9.00
Blue. .....	.80	5.50
Light Pink. .....	.80	5.50
Dark Pink. .....	.80	5.50
White Italian. Red skinned .....	.80	5.50

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden.

We have selected from the list of varieties on page 3 a few of the best of each color suitable for culture in pots and glasses, and offer them in collections at a reduction from the regular price. The following are the varieties;

Lady Derby, Pink.
Roi des Belges, Red.
L'Innocence, White.

Grand Maitre, Light Blue.
King of the Blues, Dark Blue.
King of the Yellows, Yellow.

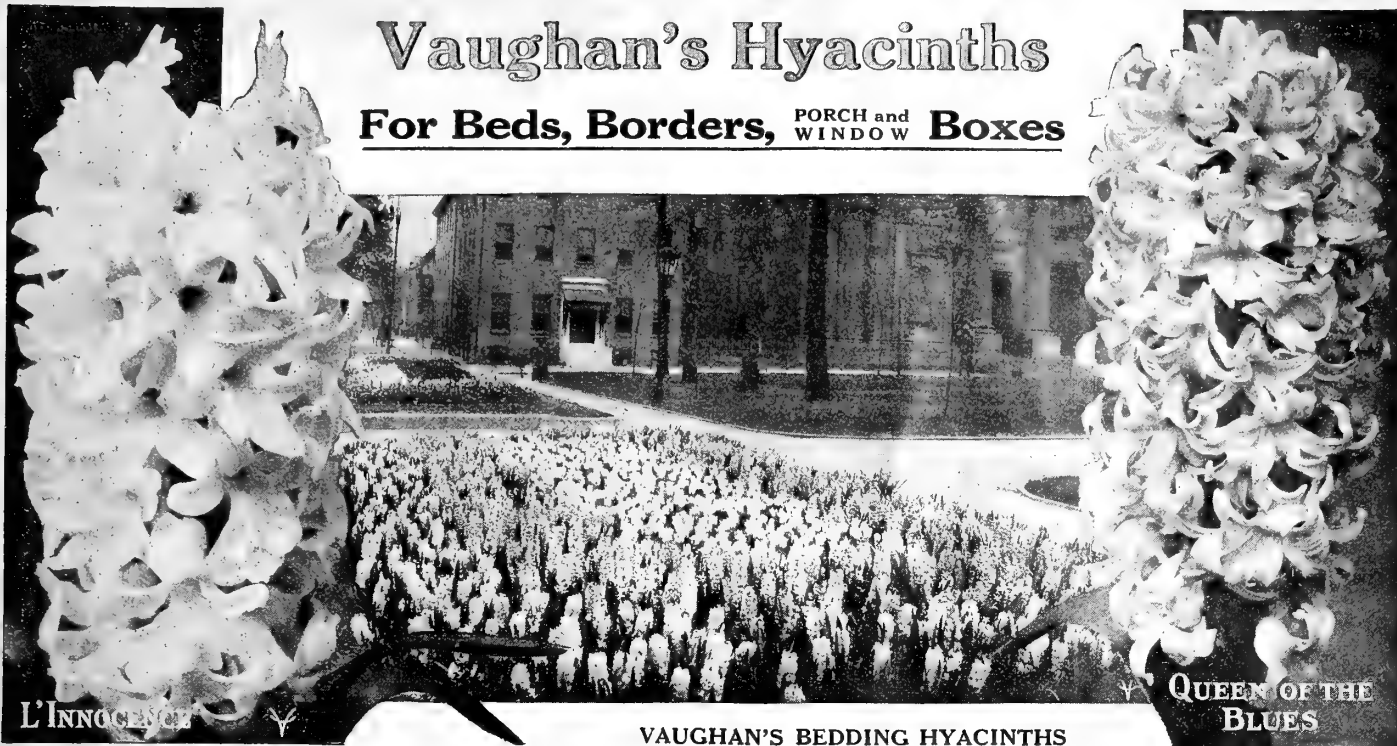
PREPAID PRICES—

A—12 Bulbs, two of each variety	\$1.40
B—24 Bulbs, four of each variety	2.60
C—36 Bulbs, six of each variety	4.00

Parcel Post rates are given on inside of front cover and on order sheet.

Vaughan's Hyacinths

For Beds, Borders, PORCH and WINDOW Boxes



VAUGHAN'S BEDDING HYACINTHS

Named Bedding Hyacinths

THE following are selected from our first size named Hyacinths, but offered in second size bulbs. They are specially adapted for beds and pots, or where masses of distinct shades are required in bloom at the same time, to carry out an intended design. All are sound, plump bulbs that will throw good upright spikes, and are more desirable than those of 1st size bulbs, that have to be supported with stakes. Mailing weight, dozen, 2 lbs.

Single Pink

	Each	Per Doz.	Per 100
3. Gertrude, Rose pink.....	\$0.09	\$0.85	\$5.75
2. Gigantea, Light pink.....	.09	.85	5.75
2. Moreno, Bright pink.....	.10	.90	6.00

Single Red

	Each	Per Doz.	Per 100
3. Robert Steiger, Crimson.....	.09	.85	5.75
3. Roi des Belges, Scarlet.....	.10	.90	6.00

Single White and Blush

	Each	Per Doz.	Per 100
2. Albertine, Pure white.....	.09	.85	5.75
3. La Grandesse, Pure white.....	.10	.90	6.00
3. L'Innocence, Pure white.....	.09	.85	5.75
2. Madame Van der Hoop, Pure white...	.09	.85	5.75
2. Grandeur a Merveille, Blush white....	.09	.85	5.75

Single Blue

	Each	Per Doz.	Per 100
2. Grand Maitre, Dark porcelain.....	.09	.85	5.75
2. Johan, Light blue.....	.09	.85	5.75
4. King of the Blues, Dark blue.....	.10	.90	6.00
4. Queen of the Blues, Light blue.....	.09	.85	5.75
1. Regulus, Light blue, striped.....	.09	.85	5.75

Single Yellow

	Each	Per Doz.	Per 100
4. King of the Yellows.....	.09	.85	5.75
3. Yellow Hammer.....	.09	.85	5.75

"Fancy" un-named Hyacinths

THIS is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 18 centimeters in size, are plump and sound, selected from the best named varieties.

We offer in separate colors, each color being made up from varieties of about the same shade, and will produce spikes very even in height and size. To those who do not wish to pay the highest price for best named Hyacinths, we especially recommend this grade both for pots and outdoors.

Blue, all shades.....	Mailing weight, dozen, 2 lbs.; price, each, includes postage.			
Light Blue.....				
Red and Rose.....				
Rose.....				
Pure White.....				
White, all shades.....	Per Doz.	Per 100	Per 1000	
Yellow.....	\$0.65	\$4.50	\$40.00	
Mixed, All Colors.....	We offer these fancy mixed bulbs in singles only, these being much more desirable.			

"Medium" un-named Hyacinths

Separate Colors

Single or Double Varieties

GOOD size flowering bulbs 15 centimeters (5 3/4 in.) and upward circumference, much larger than the Mixed Hyacinth bulbs usually sent out. They are well adapted for open ground planting in mixed borders and informal beds, and on account of their low price, are extensively forced for winter-blooming and cutting. Mailing weight, dozen, 2 lbs.; price, each, includes postage.

	Per Doz.	Per 100	Per 1000
Blue, all shades.....			
Light Blue.....			
Red and Rose.....			
Rose.....			
Pure White.....	\$0.60	\$4.00	\$35.00
White, all shades.....			
Yellow.....			
Mixed, All Colors.....			

Please mention whether Single or Double varieties are desired.

Dutch Roman or Miniature Hyacinths

SPLENDID for growing in pots, pans or boxes. Bulbs being selected from named varieties are fully matured. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb, and are invaluable for forcing, being specially cultivated for this purpose. [Five or six bulbs, planted in eight-inch pan, make a splendid show.]

Mailing weight, dozen, 2 lbs.; price, each, includes postage.

Single Red and Rose

Moreno, Pink.....	
Gertrude, Clear rose.....	
Gigantea, Blush pink.....	

Single White

	Each	Doz.	1000
Albertine, Pure white.....	\$0.45	\$3.00	\$25.00
La Grandesse, Snow white.....			
L'Innocence, Purest white.....			
Mme. Van der Hoop, Purest white, large..			

Single Blue

Grand Maitre, Deep porcelain.....	
Queen of the Blues, Light blue.....	

Hyacinth Glasses

We offer two styles of these glasses for growing Hyacinths in water. **Belgian, and Tye Shape.** (See notes on page 3 regarding culture.)

PRICES

Belgian, Tall.....	each, 35c; Doz., \$3.25
Tye Shape.....	each, 35c; Doz., \$3.40



BELGIAN



TYE SHAPE

Parcel Post rates are given on inside of front cover, and on order sheet.

SINGLE EARLY TULIP COTTAGE MAID



Single Early Tulips

For Garden Beds and Borders, Pots and Forcing

NO FLOWERS give such a lasting and brilliant effect during the spring months for so little cost and trouble, as Tulips.

Starting with the Early Single varieties listed hereunder and followed by the glorious Darwin and Cottage Tulips mentioned a few pages further on, an extended flowering season is carried on during April and May; and such colors! from the extremes of deep crimson, brilliant scarlet, yellow and white, every intermediate shade and blending is included in these grand flowers, giving plenty of material for contrasts and favorite color schemes.

Planting: Do not use fresh stable manure at any time, either in the soil or as a mulch, or you will have no flowers. Treat otherwise the same as Hyacinths described previously. Plant four to six inches apart and four inches deep. Dig Bone Meal into the beds or borders before planting, about two handfuls to the square yard. When the beds or borders are made, have them raised 4 to 6 inches above the adjacent walk or lawn, this insures proper drainage and prevents lodgements of water around the bulbs, and subsequent rotting. Thoroughly rotted manure (if procurable) may be placed under the bulbs either in beds or pots, but it should not come in contact with them. For pot culture use the same compost as for Hyacinths. Put five or six bulbs in a six inch pot or pan. This is generally the quantity to use.

Summer Homes in Spring We sometimes wonder how some flower lovers are content to let their gardens go unadorned from Nov. until May or June while waiting for the time to put out summer plants. We have in mind chiefly, those who close up their summer homes in the fall and allow the gardens to become weedy wastes during the early spring months when they could be made so attractive by planting in October a few Tulips for spring bloom. Even if their beauty will not be enjoyed by the owner is it not more gratifying to have them seen and admired by others, and what is more, such adornments illustrate, to an extent, the character and tastes of the owner.

Explanatory: The number preceding the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

Parcel Post: 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on inside of front cover.

Single Scarlet and Crimson

	Doz.	100	1000
7b Artus , a splendid deep scarlet.....	\$0.30	\$1.75	\$15.00
8b Belle Alliance , brilliant scarlet.....	.35	2.10	19.00
8a Brilliant Star , bright glowing scarlet; very early.....	.75	5.00	45.00
8a Couleur Cardinal , crimson.....	.50	3.45	31.00
7b Cramoisi Brilliant , bright scarlet.....	.30	2.00	17.50
7b Crimson King , good crimson.....	.30	2.00	17.00

Single Scarlet and Crimson—Continued

	Doz.	100	1000
6a Duc Van Thol, Scarlet } For pots only	\$0.30	\$2.00	\$17.00
6a Duc Van Thol, Crimson }	.30	2.00	17.00
7a Dusart , dark red.....	.30	2.00	17.00
14b Grace Darling , orange-scarlet.....	.60	4.00	35.00
12a Maes , rich scarlet, fine bedder.....	.45	3.00	25.00
8a Pottebakker Scarlet , bright scarlet....	.35	2.10	19.00
12a Sir Thomas Lipton , rich crimson-scarlet	.60	4.00	35.00
7b Vermillion Brilliant , dazzling ver- million-scarlet, fine for pots.....	.50	3.45	31.00
12a Vesuvius , deep scarlet.....	.50	3.45	31.00

Single Pink and Rose

12b Admiral Reynierse , bright rose-pink...	.50	3.25	30.00
American Lac (See Cottage Tulips)			
9b Cottage Maid , pink, striped white.....	.30	2.00	18.00
6a Duc Van Thol, Rose , for pots only.....	.30	2.00	17.00
8a Flamingo , carmine-rose and white.....	.75	5.00	45.00
12b La Riente , deep rose, tipped rose.....	.60	4.00	35.00
8b Mme. Frylink , very fine pink.....	.50	3.45	32.00
10a Queen of the Netherlands , pale pink...	.35	2.25	20.00
12b Pink Beauty , bright rose pink shading to blush-white.....	.50	3.45	31.00
12a Princess Wilhelmina , deep rosy red, flushed white.....	.40	2.25	20.00
9a Proserpine , glossy pink, early.....	.50	3.45	31.00
7b Rose Gris de Lin , delicate rose, flushed white.....	.30	2.00	18.00
8b Rose La Reine , deep rose and white....	.60	4.00	35.00
7b Rose Luisante , brilliant deep pink.....	.45	2.80	26.00
8b Rosamundi , rose, shaded white.....	.30	2.00	17.00
8a Vaughan's New Pink , pink, shaded white	.35	2.25	20.00

Single White

6a Duc Van Thol, White , for pots only....	.30	2.00	17.00
8a L'Immaculee , pure white.....	.30	1.75	15.00
8b La Reine , white, shaded rose.....	.30	2.00	17.00
9a Pottebakker White , pure white.....	.35	2.60	23.00
10a Princess Helena , pure white.....	.35	2.30	21.00
8a Princess Marie Anne , white, shaded rose	.30	2.00	17.00
10a Queen of the Whites , pure white.....	.40	2.40	22.00
12b Snowflake , snow-white.....	.50	3.25	28.00
8b Von Vondel , pure white, splendid.....	.55	3.50	30.00
15b White Swan , pure white.....	.30	2.00	17.00
7a White Hawk , white; very fine.....	.45	3.00	25.00

Single Yellow

8b Chrysolora , golden-yellow; fine bedder..	.35	2.10	19.00
10b Fred Moore , deep orange, edged yellow	.30	2.00	17.00
7a Gold Finch , pure yellow, sweet scented..	.30	2.00	18.00
12b Golden Lion , yellow and terra-cotta...	.75	4.50	40.00
12b Golden Queen , beautiful golden-yellow	.50	3.25	28.00
7a Mon Tresor , pure yellow; large cup....	.45	3.00	27.00
8a Pottebakker Yellow ; fine for bedding...	.30	2.00	18.00
12b Primrose Queen , canary-yellow stained primrose.....	.35	2.60	23.00
12a Prince de Ligny , golden-yellow.....	.30	2.00	18.00
8a Yellow Prince , golden yellow; fine forcer	.30	2.00	17.00

Striped, Margined or Otherwise Colored

11b Cerise Gris de Lin , mauve, edged white	.75	4.50	40.00
12b Cottage Boy , orange-red, bordered yellow	.35	2.60	23.00
9b Duchess of Parma , orange-scarlet, yellow edge.....	.30	2.00	17.00
6a Duc de Berlin , clear scarlet, edged yellow	.45	3.00	27.00
6a Duc Van Thol, Red and Yellow ; very early, for pots only.....	.30	2.00	18.00
10b Keizerkroon , red with distinct wide golden border, one of the finest.....	.35	2.30	21.00
8a Prince of Austria , orange-vermillion; large flower.....	.35	2.40	22.00
8b President Lincoln , light violet.....	.45	3.00	25.00
7b Thomas Moore , apricot-orange.....	.30	2.00	17.00
7b Van der Neer , violet-purple.....	.75	4.50	40.00
12b Van Vondel , deep cherry-red, feathered white.....	.35	2.25	20.00
7b Wouwerman , dark violet.....	.60	4.00	35.00

Parcel Post rates are given on inside of front cover and on order sheet.



DOUBLE TULIP LA CANDEUR

Single Named Tulips —For Bedding Only Our Selection

These are made up from varieties of same height and which bloom at the same period. To be recommended for bedding where the amount to be expended is limited. **White, Yellow, Red, Pink, Variegated.**

Price, dozen, 30c; 100, \$1.80; 1000, \$16.00.

Vaughan's Mixtures of Single Tulips

VAUGHAN'S SPECIAL MIXTURE. We make up this mixture ourselves from best sorts, correctly proportioned as to colors and height, and time of blooming.

Per doz. 30c; per 100, \$1.75; per 1000, \$15.00.

EXTRA FINE SINGLE MIXED.

Per doz. 25c; per 100, \$1.50; per 1000, \$13.00.

FINE SINGLE MIXED. Per doz. 20c; per 100, \$1.40; per 1000, \$12.00.

Vaughan's Double Early Tulips

WHAT we have said in the beginning about Single Tulips applies also to the Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties, and consequently, when single and double are planted in one bed, the time of flowering is prolonged from two to three weeks. The early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the Single Tulips.

Explanatory. The number preceding the name of the variety denotes the height in inches, while the letters (a) and (b) indicate their earliness of bloom—the (a's) flower together and are the earliest; the (b's) flower together but are somewhat late.

Double Red

	Doz.	100	1000
12c Cherry Ripe , cherry-red, with carmine rose.....	\$0.75	\$5.00	\$45.00
6a Duc Van Thol, Scarlet ; early.....	.30	2.00	18.00
9a Imperator Rubrorum , bright scarlet....	.45	3.00	27.00
12c Le Matador , scarlet with purple glow at the outside of the petal.....	.45	3.25	28.00
8b Rubra Maxima , dazzling scarlet.....	.35	2.25	20.00
9b Vuurbaak , bright scarlet, suffused orange	.45	3.00	25.00

Double White

10b Alba Maxima , the finest double white...	.30	2.00	18.00
10b Boule de Nieve , pure white.....	.40	2.60	23.00
10b La Candeur , pure white, fine bedder....	.35	2.10	19.00
12b La Grandesse , blush-white.....	.35	2.25	20.00
7b Rose Blanche , white; good dwarf bedder	.30	2.00	17.00
12b Schoonoord (White Murillo) , pure white. Extra fine.....	.35	2.40	22.00

Double Pink

10b Couronne des Roses , bright pink; good forcer.....	.60	4.00	35.00
12c Lac Von Haarlem , rosy-violet.....	.90	6.00	55.00
10b Lord Baconsfeld , deep rose.....	.45	3.00	25.00
14b Lucretia , deep rose.....	.45	3.00	25.00
7a Murillo (fancy) , large pink, suffused white.....	.35	2.40	22.00
8a Salvator Rosa , beautiful rose, fine forcer.	.35	2.40	22.00

PARCEL POST. 12 bulbs weigh 1 lb., 50, 4 lbs.; 100, 7 lbs.; add postage at Zone Rates on inside of front cover. **Plant** same as Single Tulips.

Double Yellow

	Doz.	100	1000
12b Brimstone Beauty , yellow and apricot..	\$0.60	\$4.00	\$35.00
10a Couronne d'Or (Crown of Gold) , beautiful rich, golden yellow.....	.60	4.00	35.00
12b Golden King large pure deep yellow....	1.00	7.00	65.00
7a Tournesol Yellow , yellow, shaded orange	.45	3.00	27.00

Double Striped or Otherwise Colored

6a Duc Van Thol , Red and Yellow.....	.35	1.80	16.00
9b Duke of York , red with white border....	.30	2.00	18.00
9a Gloria Solis , bright scarlet, yellow border	.35	2.25	20.00
9a Rosine , white, tinged rose.....	.35	2.40	22.00
8b Titan , scarlet, edged yellow.....	.45	3.00	25.00
8a Tournesol , Red and Yellow, very showy	.50	3.45	31.00

Double Named Tulips

These make a fine effect where a solid color is desired, and their cost is not so much as the listed varieties; we are sure our customers will be pleased with results.

White, Pink, Red	} Per Doz.	Per 100	Per 1000
Yellow, Striped			
	\$0.35	\$2.10	\$19.00

Vaughan's Mixtures of Double Tulips

VAUGHAN'S SPECIAL MIXTURE. This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of cheap sorts.

Price: Doz., 30c; per 100, \$2.00; per 1000, \$17.00.

	Doz.	100	1000
Extra Fine Double Mixed	\$0.25	\$1.60	\$14.00
Fine Double Mixed.....	.25	1.40	12.00

The Book, "Vaughan's Flower Bulbs," 25c; or free with every order of \$1.00 or over.

LATE DARWIN and

(MAY FLOWERING)

Darwin Varieties

THESE majestic Tulips are without a rival in spring flowers. They are truly "The Aristocrats of the Spring Garden." Their adaptability to our American climate, due to their hardiness and vigor, their stately bearing and exquisite shades, have in a few years increased their popularity to such an extent that where dozens sufficed before, they are now used by the thousands and tens of thousands.

The flowers are beautifully outlined, cup-shaped, and carried on tall stiff stems. They vary in color from almost jet black, crimson, scarlet, purple to lilac, mauve, pink and indescribable intermediate blendings and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on the next page, with such kinds as Inglescombe Yellow, Gesneriana Lutea, G. Lutea Pallida, and Bouton d'Or which flower at the same time.

Darwin Tulips are excellent for beds or for planting in clumps in the perennial border, or bordering low growing shrubs and hedge rows. Flowering at a time (May) when all other spring flowers are over and before the Peonies and other early summer flowers are ready, they adequately fill a large gap in maintaining a continuous display of flowers between seasons. They are perfectly hardy, flowering with increased vigor each succeeding year.

They can also be grown in pots, and, with a little gentle heat can be flowered a few weeks earlier than their ordinary season. Those we offer here are among the best in cultivation at the present day and include many offered for the first time this year.

Planting.—The bulbs require to be planted about four or five inches deep and six inches apart in raised beds or borders so that the bulbs are above the level of adjacent lawn or walk.

The approximate height of each is given in inches.

By Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates.

	Per doz.	Per 100	Per 1000
Baronne De La Tonnaye. (26 in.) Bright rose, margined blush rose; long, large flower, beautifully shaped.	\$0.30	\$2.00	\$18.00
Bartigon. (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color.	.50	3.50	30.00
Bronze Queen. (26 in.) Soft golden yellow-bronze.	1.00	6.50	55.00

Clara Butt. (20 in.) Bright shrimp pink, paler at edges.

Perfect bloom of medium height, white base. Mid-season, lasts well. The best pink Darwin.

Dream. (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color.

Electra. (25 in.) A fine erect flower, rosy purple with distinct pale border, and white base.

Erguste. (24 in.) Dark heliotrope, with lavender margin. Keeps its color well. Good for indoors or out.

Europe. (22 in.) Glowing salmon-scarlet, shaded rose; well formed globular flower, erect grower and lasts well.



REV. H. EWBANK

	Per doz.	Per 100	Per 1000
Farncombe Sanders. (25 in.) Fiery rose-scarlet, inside vivid cerise scarlet with white center marked blue; flowers perfect shape.	.45	3.00	25.00
Flambeau. (26 in.) Brilliant rosy scarlet with blue base	.45	3.00	25.00
Glow. (23 in.) Brilliant, glowing vermilion, white and blue base	.45	3.00	25.00
Gretchen. (23 in.) Pale flesh pink, changing to light peach pink. Large egg-shaped bloom. Vigorous and lasting.	.35	1.80	16.00
Harry Veitch. (24 in.) Brilliant blood red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well.	.35	2.25	20.00
L'Ingenue. (20 in.) Pale rose, shaded creamy white; inside lit up with salmon rose. A delightful delicately tinted tulip.	1.00	7.00	65.00
La Tristesse (Dolores). (25 in.) Slaty mauve with silvery margin, and a violet and bronze reverse. A splendid contrast with the yellow Cottage Tulips. Per doz. 60c; per 100, \$4.00; per 1000, \$35.00.			
Leonardo da Vinci. (25 in.) Shining violet black, handsome. Per doz. 50c; 100, \$3.50; 1000, \$32.00.			
May Queen. (24 in.) Soft lilac-rose, white center. Per doz. \$0.40; per 100, \$2.60; per 1000, \$23.00.			
Massachusetts. (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Early and lasts well. Per doz. \$0.50; per 100, \$3.00; per 1000, \$25.00.			
Mme. Krelage. (27 in.) Very similar to Massachusetts but the central pink band is a shade lighter and blends into the paler border. Earlier than Massachusetts and tones off lighter all over. Doz. \$0.35; 100, \$2.40; 1000, \$22.00.			
Mrs. Cleveland. (24 in.) Pale lilac rose, with light margin. A delightful color under glass. Per doz. \$0.40; per 100, \$2.60; per 1000, \$23.00.			
Mrs. Potter Palmer. (26 in.) Deep reddish-purple, with dark blue base. A striking and distinct tulip. Per doz. \$0.60; per 100, \$4.00; per 1000, \$35.00.			
Mrs. Stanley. (24 in.) Rose, purplish outside and paler towards the edges; large bright blue center. Per doz. \$0.40; per 100, \$2.60; per 1000, \$23.00.			
Pride of Haarlem. (28 in.) Bright rose suffused with purple; an enormous flower unsurpassed for groups because of its fine color and stately habit. Per doz. \$0.40; per 100, \$2.60; per 1000, \$23.00.			



CLARA BUTT



A Darwin Border

See Special Collection of Darwin Tulips on page 11.

COTTAGE TULIPS

(MAY FLOWERING)

Darwin Varieties—Continued

PRINCESS ELIZABETH. (Syn. <i>Julie Vinot</i> .) (26 in.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended.	Doz.	100	1000
	\$0.60	\$4.00	\$35.00
PROF. RAWENHOFF. (28 in.) Cherry rose with ivory white and blue base. Enormous, attractive flower.	.50	3.50	30.00
PAINTED LADY. (27 in.) Creamy white, faint tinge of heliotrope on opening.	.40	2.60	23.00
SALMONEA. (18 in.) Clear salmon rose, with lighter margin. A new and very fascinating tulip.	4.50	35.00	300.00
REV. H. EWBANK. (20 in.) Deep lilac toning at edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat open flower. Lasts well. The most popular of this shade.	.50	3.00	27.00
SIERAAD VAN FLORA. (24 in.) Bright rosy pink flower, shaded with lilac; blue base. Very effective.	.50	3.50	30.00
SUZON. (22 in.) Pale blush pink outside, rosy pink inside. Blue and white base. A distinct and desirable tulip as a companion to some of the dark shades.	.50	3.50	30.00
THE DOVE. (24 in.) A deep rose pink with pale rose margin, changing with age to delicate pink with white margin. New and highly recommended.	4.50	35.00	300.00
THE SULTAN. (24 in.) Deep maroon-black with brownish margin.	.30	2.00	18.00
VELVET KING. (21 in.) Crimson maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine.			

Doz. \$1.50; 100, \$11.00; 1000, \$100.00

WEDDING VEIL. (24 in.) Creamy white, flushed lilac, clear white base, black markings.

Doz. \$0.40; 100, \$2.60; 1000, \$23.00.

WILLIAM PITT. (22 in.) Very dark scarlet, with purple shade on the outer petals; large flower. Lasts well.

Doz. \$0.50; 100, \$3.50; 1000, \$30.00.

WHITE QUEEN. (24 in.) Pale lavender tinged white, later changing to almost pure white. Very desirable.

Doz. \$0.45; 100, \$2.60; 1000, \$23.00.

ZULU. (27 in.) Rich, velvety, purple-black; large cup-shaped flower. Keeps its color to the last.

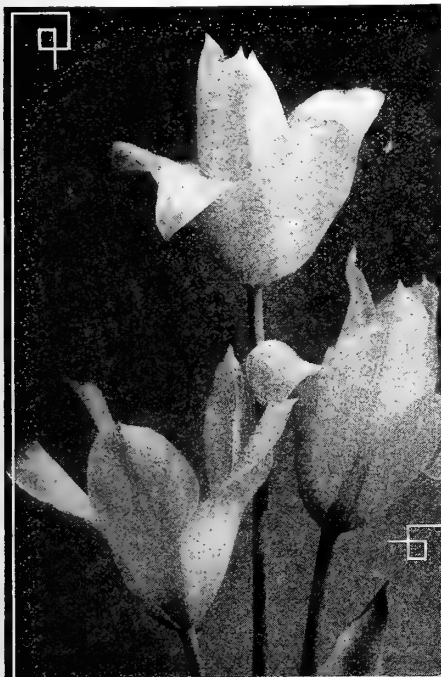
Doz. \$0.90; 100, \$6.00; 1000, \$55.00.

ZANZIBAR. (4 in.) Rich, glossy maroon, center dark blue and white.

Doz. \$0.60; 100, \$4.00; 1000, \$35.00.



JOHN RUSKIN (see next page)



A MIXED BORDER OF COTTAGE AND DARWIN TULIPS

Mixtures of Darwin Tulips

	Doz.	100	1000
Special Mixture, made up by ourselves from best distinct kinds	\$0.35	\$1.85	\$16.00
Regular Mixture, splendid value for mixed beds and cutting	.25	1.50	13.00

COTTAGE TULIP
MRS. MOON

Cottage Varieties

THESE Tulips rival the Darwin Class for popular favor and justify their being planted in large quantities. Every known shade is to be found, from deepest crimson, to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink, cream, heliotrope, etc., blended in to the most wonderful combinations that are almost impossible to describe. They differ from Darwin Tulips, in having either oval or pointed blooms, many with reflexed petals and bloom a few days later, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet scented varieties are included, such as Ges. Lutea and G. Lutea Pallida, Mrs. Moon, Columbus. There is no end of material for color schemes in this class and when massed in beds, borders, or around and among shrubs they produce wonderful effects when suitably contrasted. They will bloom in the same position in congenial soil, for two or three years without disturbing.

Planting.—Treat same as Darwins.

***For Pots.**—When grown in pots, these, like the Darwin tulips can be had in flower indoors during March and April, in a temperature not exceeding 55 degrees. Those best suited for growing in this way are marked *

Vaughan's Twelve Choicest Kinds

***Billietiana Illuminator.** (24 in.) This grand tulip was offered by us in America for the first time last year, is an immense yellow flower, deeply margined and splashed with crimson, with dark Ixia-like base. Has won many awards in Europe. One of the last to flower. Doz. \$2.00; per 100, \$15.00; per 1000, \$140.00.

***Columbus (Gala Beauty).** (18 in.) Medium sized pointed blooms of rich golden yellow, feathered and splashed with intense glowing scarlet. Sweet-scented. A delightful combination of color, distinct from all others. Doz. \$1.70; per 100, \$13.00; per 1000, \$110.00.

***Daybreak.** (20 in.) Fawn color shaded with creamy yellow, heavily flamed with violet purple. A lovely tulip. Per doz. \$2.00; per 100, \$15.00; per 1000, \$140.00.

Emerald Gem. (18 in.) Rich coral shrimp-red, with beautiful sea-green base. Very durable in hottest sun and distinctly perfumed of Sweet Pea. Per doz. \$0.50, per 100, \$3.50, per 1000, \$30.00.

Hammer Hales. (22 in.) An oblong pointed flower of chestnut brown, edged old gold. Green and yellow base; makes a fine companion to a good yellow. Doz. \$3.50; 100, \$25.00; 1000, \$200.00.



THE FAWN

	Doz.	100	1000
CLUSIANA (Lady Tulip). (12 in.) White with small crimson base, outside broadly flamed rose, a lovely flower	\$0.75	\$4.50	\$40.00
ELEGANS. (16 in.) Dark crimson, reflexed petals. Very early	.35	2.25	20.00
ELEGANS ALBA—(20 in.) White, margined rosy red	.75	4.50	40.00
ELEGANS LUTEA (Golden Spire). (18 in.) Immense pure yellow, the edges of the petals tipped and splashed with red. Almost as fine as Mrs. Moon, but not so tall.	1.00	6.50	60.00
*ELLEN WILLMOTT. (20 in.) Long pointed bloom of pale primrose yellow, edged golden yellow. Sweet scented	.60	4.00	35.00
*FAIRY QUEEN. (20 in.) Oblong blooms of rosy heliotrope blending into a golden yellow at the edges of petals. Very distinct. One of the most beautiful of all.	.50	3.25	27.00
*GESNERIANA LUTEA. (20 in.) A very shapely bloom of the purest yellow; distinctly sweet scented. One of the best yellow tulips in existence for color and perfume	.30	2.00	18.00
GESNERIANA LUTEA PALLIDA (Mrs. Keightley). (20 in.) A pale primrose form of the preceding, highly perfumed and a little earlier. A charming tulip	.45	3.00	27.00
GESNERIANA MAJOR (Spathulata Major). (24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for large plantings	.30	2.00	17.50
GESNERIANA "Orange Globe". (22 in.) Rich crimson-scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida	.35	2.25	20.00
HOBBEEMA. (16 in.) Also called American Lac and Le Reve. An exquisite shade of salmon pink and old rose. Perfect shape and early	.90	6.00	55.00
*ISABELLA (Shandon Bells). (15 in.) A beautiful variety with large handsome flowers. Color primrose, flushed rose, changing to rosy-red	.30	1.80	16.00
*INGLESOMBE PINK. (24 in.) Beautiful clear pink with amber tinge inside, later becoming pure pink. A grand tulip that keeps well	.30	2.00	18.00
INGLESOMBE SCARLET. (16 in.) Brilliant vermilion with a black base. One of the best reds	.45	3.00	25.00
INGLESOMBE YELLOW. (18 in.) A fine, large, globe-shaped flower, color, full rich yellow; sometimes called the Yellow Darwin	.50	3.50	30.00
*JAUNE D'OEUF. (22 in.) Outside petals rose and orange, inside bronze and yellow. Very distinct	.45	3.00	27.00
*LA MERVEILLE. (20 in.) Extra large fragrant flower, color scarlet, suffused with apricot-orange	.30	1.80	16.00

Cottage Tulips—Vaughan's Twelve Best Continued

*Ixioides. (18 in.) Pure lemon yellow, very distinct pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open resembles a giant Ixia, from which it derives its name. Late and lasts well	Doz.	100	1000
	\$1.40	\$10.00	\$90.00
John Ruskin. New. (20 in.) Large oval-shaped blooms, salmon-pink, flushed at edges with yellow. Center olive green and yellow ochre. Award of merit, R.H.S. England. One of the most beautiful tulips in existence	2.00	15.00	140.00
Kaleidoscope. (22 in.) A oblong handsome sport of the preceding. Pale rose pink toning to chrome yellow at edges, feathered rose-crimson. The flower when open shows all these colors intensified. A beautiful blend	2.75	20.00	180.00
*Mrs. Kerrell. (18 in.) Delicate rose pink with amber tinge; center white, bordered with electric blue; a lovely tulip with elegantly pointed petals	1.50	10.00	90.00
Solferina. (20 in.) A beautiful egg-shaped bloom of pale lemon yellow, toning to a creamy white with canary border. New and distinct	1.50	11.00	100.00
*Scarlet Emperor. (24 in.) Brilliant glowing scarlet. Flowers of gigantic size, cup shaped, with clear yellow base. (Awarded 1st-class certificate R.H.S. England)	1.75	13.00	110.00
Yellow Picotee. Pure yellow, margined crimson, becoming splashed and feathered with crimson at maturity. Large elegant flower	1.75	13.00	110.00

Cottage Tulips—General List

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs.; add postage at Zone rates.

American Lac—See Hobbeema.

Avis Kennicott. (24 in.) Long pointed bloom of pure yellow, edges of petals slightly frilled	Doz.	100	1000
	\$0.90	\$6.00	\$55.00
*Billietiana Sunset. (16 in.) Golden yellow splashed towards the edges of the petals with dazzling scarlet, later suffused with red more deeply. A very desirable variety	.45	3.00	25.00
*Bouton d'Or. (16 in.) Round shapely blooms of the purest gold. Fine for massing	.30	1.80	16.00
*Caledonia. (20 in.) Beautiful globe-shaped flower of a bright orange color. Splendid, planted with a deep red	.30	1.80	16.00
LEGHORN BONNET. (18 in.) Beautiful pale straw yellow. The broad, thick petals form a peculiar and distinct three-sided bud, not found in other tulips	Doz.	100	1000
	\$0.45	\$3.00	\$25.00
MACROSPILA. (18 in.) A glowing crimson scarlet with deep zone of black and yellow; splendid for cutting	.30	1.80	16.00
MAIDEN'S BLUSH (Picotee). (20 in.) A long-shaped flower, pure white with beautifully recurved petals, margined rose	.30	1.80	16.00
MARJOLETTI. (14 in.) An uncommon and beautiful species from Savoy, delicate pale yellow, cerise blotch on outer edge	.60	4.00	35.00
*MAURIANA (20 in.) Large oval blooms. Bright scarlet with gold center. A very brilliant bedder	.35	2.40	22.00
MRS. MOON. (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders	.65	4.50	40.00
MOONLIGHT. (20 in.) Oblong blooms of delicate pale yellow. Very distinct. Plant in semi-shade	1.10	7.50	70.00
*PRIMROSE BEAUTY. (14 in.) Soft primrose changing to white	.35	2.40	22.00
*PARISIAN WHITE. (14 in.) Pure white, edged silvery-pink, beautiful globe-shaped flowers	.30	2.00	18.00
*PARISIAN YELLOW. (22 in.) Large, handsome, clear yellow flowers, borne on long stems. Fine for cutting	.30	2.00	18.00
RETROFLEXA. (16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed petals, elegantly recurved	.45	3.00	25.00
ROYAL WHITE. (14 in.) Pure white, yellow center	.50	3.50	30.00
SWEET NANCY. (18 in.) Pure white, edges margined and penciled with pink	.30	2.00	17.00
THE FAWN. (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rosy lavender and bluish pink margin. One of the prettiest of all late tulips	.50	3.25	28.00
VITELLINA. (22 in.) A charming flower of an exquisite pure pale primrose shade	.45	3.00	27.00
GOOD MIXED. Fine assortment for cutting	.25	1.50	13.00

*Vaughan's Special Mixture Cottage Tulips

This mixture contains many of the named sorts of the preceding list. We mix it ourselves and know just what it contains. The result from a planting of 100 bulbs will be dazzling, and we strongly advise our customers to order at least this many bulbs. - Should be planted in quantity for cutting.

Per dozen, 35c; per 100, \$1.75; per 1000, \$15.00.

Varieties marked thus (*) can be grown in pots and bloom early with gentle forcing.

Vaughan's Special Collections—Cottage Tulips

These collections are made up from varieties of the preceding list. We select good varieties and give a choice assortment of colors. Customers can rely on good value.

- No. 11. { 25 each of 10 varieties, packed separate. Price, \$5.00.
Express at purchaser's expense.
No. 11A. 10 each of 10 varieties, packed separate, \$2.00, prepaid.
No. 11B. 5 each of 10 varieties, packed separate, \$1.25, prepaid.

Vaughan's "Special" Collections—Darwin Tulips

These collections contain 12 choicest varieties of preceding list in quantities and assorted colors suitable for growing in pots or grouping in the border. Our Selection of Varieties:

12 Best Varieties	{ 11 (E) 6 of each (72 bulbs), postpaid.....\$3.50
	{ 11 (F) 12 of each (144 bulbs), postpaid..... 6.75
12 Good Varieties	{ 11 (G) 6 of each (72 bulbs), postpaid..... 2.25
	{ 11 (H) 12 of each (144 bulbs), postpaid..... 4.25

Our Front Cover Collection

The illustration on the front cover pictures five distinct and beautiful flowers of the Cottage and Darwin classes, that we have specially selected on their merits—for color, size and lasting qualities. All are perfect in form and are shades that harmonize as well as being individually beautiful. For full descriptions see descriptions on these pages.

(D) denotes Darwin—(C) denotes Cottage Varieties.

Zulu (D), Bartigon (D), The Fawn (C), Gesneriana Lutea (C), Inglescombe Pink (C).

SPECIAL PREPAID PRICES FOR THE FIVE

100 of each,\$16.25 25 of each,\$4.25 12 of each,\$2.25

A Splendid Late Double Tulip

BLEU CELESTE (Blue Flag). Blooming in May with the Cottage Tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony) a delightful shade of pale bluish-purple and are borne on long stems, making them splendid decorative flowers.

Per dozen, 90c; Per 100, \$6.00; Per 1000, \$55.00.

Breeder (Old Dutch) Tulips

BREEDERS are the unbroken forms of the old Florist Tulips. They were formerly listed among the Cottage-Tulips but they really form a distinct class by themselves. Their purple, maroon or terra cotta colors with enormous size and vigorous growth, make them very valuable; flowers have unusual lasting qualities and are very sweet scented. They should be treated in the same way as Darwins, but cannot be forced.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates.

CARDINAL MANNING. (28 in.) Wine-red, flushed rosy brown.....	\$0.50	\$3.50	\$30.00
GENERAL NEY. (25 in.) Old gold with olive. Large flower.....	1.25	8.50	80.00
LOUIS XIV (New). (16 in.) An immense flower, rich purple, with golden-bronze margin; inside bronzy purple. A gigantic and very handsome tulip.....	4.50	35.00	.....
MEDEA. (24 in.) Salmon, carmine red. A very bright flower.....	.45	3.00	25.00
ORANGE BEAUTY (Prince of Orange). (24 in.) Tall globe-shaped flower: of rich orange red, margined bright orange, center yellow and olive green. A very handsome tulip to plant with Darwin and Cottage varieties.....	.60	4.00	35.00
TURENNE. (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Inside brownish-yellow, with yellow base.....	1.25	8.50	80.00
YELLOW PERFECTION. (24 in.) Light bronze-yellow, edged-yellow.....	1.00	6.50	60.00
VAUGHAN'S BEST MIXED. Extra fine.....	.45	3.00	27.00



BREEDER TULIPS

Parrot or Dragon Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all Tulips. Flowering at the same time as other late sorts, they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height of them is about 15 inches.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates.

ADMIRAL DE CONSTANTINOPLE. Red, tipped orange.....	\$0.30	\$1.75	\$15.00
LUTEA MAJOR. Bright yellow; large.....	.30	1.75	15.00
MARKGRAVE. Yellow, striped scarlet and green.....	.30	1.75	15.00
PERFECTA. Yellow, striped red.....	.30	1.75	15.00
COULEUR CAFE. Brown and yellow.....	.30	1.75	15.00
CRAMOISIE BRILLIANT. Deep crimson with large black center.....	.30	1.75	15.00
GLORIOSA. Red and yellow.....	.30	1.75	15.00
MIXED, Superfine.....	.25	1.50	13.00

Special Offer Breeder Tulips

- A. Six each, 6 varieties (our selection) postpaid.....\$2.50
B. Twelve each, 6 varieties (our selection) postpaid..... 4.75

Old Fashioned Striped Tulips—LATE FLOWERING

If by mail, weight same as other Tulips.

Bizarres —Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground.....	Doz.	100	1000
	\$0.30	\$2.00	\$18.00
Bybloemens —White ground, blotched, striped or feathered with lilac, purple, violet, blue.....	.35	2.25	20.00

Fiber for Growing Bulbs in Vases, Bowls, Etc.

(Without Drainage)

For those who have neither a garden, nor the conveniences of greenhouses, or have a difficulty in obtaining suitable soil, we would recommend this system of culture. Any receptacle may be used for the purpose provided it is non-porous.

CULTURAL INSTRUCTIONS

THE bulbs are potted the same way as in ordinary soil, just showing their tops. It is not necessary or desirable to press the fibre tightly, otherwise the roots do not work freely, and bulbs have a tendency to push themselves upwards. Once potted they require hardly any attention, only great care should be taken to keep the compost moist, but on no account must it be sodden or too wet.

If once allowed to become dry, even for half a day only, the pores of the roots close up and the bulbs in many cases go blind and are ruined.

When the bulbs have been potted, vases or jars should be kept in a dark, airy cellar or room.

When the bulbs have grown about one inch, they should be brought into more light, and the vases or bowls can be placed in the window, taking care of course, to keep them from frost.

Per qt., 10c; peck, 50c; bushel, \$1.50.

Parcel Post rates are given on inside of front cover and on order sheet.



TYPE OF
BIZARRE
TULIP

Daffodils or Narcissi

THERE is no flower of recent years that has forged its way to the front, and come into greater demand than the Daffodil in the beautiful forms and colors in which it presents itself today; and though heretofore Hyacinths and Early Tulips have taken the lead as the best spring flowers, we foresee the Daffodil in a conspicuous place in the annual procession of garden flowers in future. Today fabulous prices are paid for even one bulb of some of the new hybrids, and the number of varieties catalogued by growers is astounding, and often confusing. The varieties we offer are all choice, distinct types of the different groups, many moderately priced new ones being listed each year. Being perfectly hardy (with the exception of the Polyanthus varieties), they do well planted in any location; they increase in size, and flower year after year. Groups of Daffodils in borders of hardy herbaceous plants, and along the edges of shrubbery beds, are exceedingly effective and very beautiful. They are equally valuable for winter flowering in greenhouses or window gardens, and growing in pots or pans for house decoration. Three or four bulbs can be planted in a 6-inch pan and should be given same treatment as Early Tulips.

For outdoor culture bulbs should be planted 5 or 6 inches apart, according to size of bulbs. Bonemeal, at the rate of two handfuls to a square yard, should be used in the beds, but **fresh manure**, either as a mulch or dug in, should never be used. Make the beds several inches higher than the surrounding lawn or walks to ensure good drainage.

Classification of Daffodils or Narcissi

"Daffodils" or "Narcissi," whichever one wishes to term them, are divided into three main divisions: (A), **MAGNI CORONATI**, large trumpet Daffodils; (B), **MEDIO CORONATI**, medium sized trumpets, and (C), **PARVI CORONATI**, small cupped varieties. If a Narcissus bloom is examined, it will be found to consist mainly of two parts: (1), a **long expanding tube**, and, (2), a **perianth** (the petals or perianth segments), bending outwards from the tube: the three classes mentioned above depend upon the point on the tube or trumpet at which the petals are attached. When they come from the base so that the whole tube forms the trumpet, the flower belongs to the **Magni Coronati** (Fig. 1). When they come further forward on the tube, thus shortening the trumpet in front by about half, it belongs to the **Medio Coronati** (Fig. 2), and when the perianth is still more forward until the trumpet appears small-cupped or saucer-shaped, this is a type of **Parvi Coronati** (Fig. 3). Example 1—**King Alfred**; example 2—**Gloria Mundi**; example 3—**Incognita**. Polyanthus Narcissi, Double Narcissi, and Jonquils are too distinct to need mentioning here.



NARCISSUS KING ALFRED



Vaughan's New Narcissus Christmas Glory

The earliest and most prolific of all Narcissi for indoors

(See description below)

Large Trumpet Narcissi

ALL YELLOW

If by Parcel Post, Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs; 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price, "each," includes postage. Add postage at Zone Rates.

Ard Righ (Irish King). Full yellow perianth, with rich golden yellow trumpet. Forces well.	Doz.	100	1000
		\$0.50	\$3.50 \$30.00
VAUGHAN'S CHRISTMAS GLORY. Perianth pale yellow and full. Medium size trumpet of rich yellow, well expanded and prettily frilled. Very productive, large bulbs giving from three to six blooms each. A week to 10 days earlier than any other in this list. Invaluable indoors on account of its earliness and free-blooming qualities.		.75	4.50 35.00
EMPEROR. A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-in. pot will make a splendid show. Large Bulbs.		.45	2.75 24.00
Mammoth Bulbs.		.75	4.50 40.00
Golden Spur. A tall, vigorous, golden yellow flower, with healthy green foliage. Fine for beds or pots. Very early. Large Bulbs.		.40	2.60 23.00
Mammoth Bulbs.		.75	4.50 40.00

GLORY OF LEIDEN. Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection. \$1.00 \$6.50 \$60.00

Henry Irving. A beautiful pure yellow flower, with broad spreading perianth and fine trumpet. A good forcer, and showy in beds. .45 3.00 25.00

KING ALFRED. "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. 3 bulbs for \$1.30 5.00 35.00

Obvallaris. (Tenby Daffodil.) Vigorous, early, pure yellow daffodil. Good for beds or pots. .45 3.00 25.00

SHAKESPEARE. An extra fine seedling; beautiful, erect and bold flower with large broad light yellow perianth, and an immense golden-yellow trumpet. 2.75 20.00 180.00

Spurius Major. (Single Von Sion.) Flower large and of a uniform deep golden-yellow. Highly prized as a forcing sort and largely planted outside. .40 2.60 23.00

Trumpet Maximus. Pure golden-yellow; large expanded trumpet with frilled reflexed brim. Good for beds or indoors. .40 2.60 23.00

Vaughan's Book "How to Grow Flower Bulbs," 25c, or free with every order of \$1.00, if asked for.

Large Trumpet Narcissi—Continued

Bicolors

White or cream perianth segments with primrose, or deep yellow trumpets.

If by Parcel Post: Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone rates.

DUKE OF BEDFORD. (New.) A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet, 2½ in. 3 Bulbs for \$2.25... \$8.00 \$60.00

EMPRESS. This makes a fitting companion to Emperor. We think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect.

Large Bulbs40 2.60 \$23.00
Mammoth Bulbs50 3.50 32.00

J. B. M. Camm. Perianth white, with a cream-colored trumpet, one of the finest white-winged varieties60 4.00 35.00

Mme. Plemp. Pure white perianth, with broad over-lapping segments. Fine yellow trumpet of great substance60 4.00 35.00

Mrs. Walter T. Ware. A perfect shaped, very free and early blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden yellow trumpet. Per doz. 45c; per 100, \$3.00; per 1000, \$27.00.

PRINCEPS MAXIMUS. A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow.

Mammoth Bulbs. Per doz., 35c; per 100, \$2.25; per 1000, \$20.00.

Large Bulbs. Per doz., 25c; per 100, \$1.50; per 1000, \$13.00.

VICTORIA. Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow, and frilled at mouth.

Mother Bulbs. Per doz., 75c; per 100, \$4.50; per 1000, \$40.00.

Large Bulbs. Per doz., 45c; per 100, \$3.00; per 1000, \$25.00.



NARCISSUS DUKE OF BEDFORD

All White

White perianths with white or sulphur trumpets, which change to white as the flowers mature.

If by Parcel Post: 12 Bulbs weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone rates.

MME. DE GRAAFF. The grandest of white daffodils. Broad white overlapping perianth segments, with cream trumpet, changing to white, beautifully expanded and rolled back.

Per doz., \$1.00; per 100, \$7.00; per 1000, \$65.00.

Mrs. Thompson. Large and handsome, with an elegantly frilled trumpet. It first appears primrose, changing with age to pure white. A strong grower, early and free bloomer.

Per doz., 45c; per 100, \$3.00; per 1000, \$25.00.

W. P. Milner. Beautiful pure sulphur yellow. Distinct free-flowering.

Per doz., 50c; per 100, \$3.50; per 1000, \$30.00.

Vaughan's Collections

Large Trumpet Narcissi

"Popular" Collections

An excellent assortment for pot culture or planting in clumps on the lawn.

Emperor (yellow).....	No. 13A	No. 13B	No. 13C
Empress (bicolor).....	3 of each	6 of each	12 of each
Golden Spur (yellow).....	For 50c	For 85c	For \$1.50
Mrs. Thompson (white).....	postpaid	postpaid	by express

"Novelty" Collections

We offer these collections to encourage the growing of some of the newest Narcissi, whose beauty and form cannot be realized from book description. Some idea of their merits may be gathered from the fact that when first introduced, these varieties found a ready sale at \$25 and \$50 per bulb.

King Alfred (yellow).....	No. 13D	No. 13E
Duke of Bedford (bicolor).....	3 of each	6 of each
Shakespeare (yellow).....	For \$4.25	For \$8.00
Mme. de Graaff (white).....	postpaid	postpaid

Vaughan's "Amateur" Collections

These prices quoted do not include prepayment. Our selection of varieties.

Large	{ 13G—10 varieties; 5 of each (50 bulbs) postage extra, at zone rates.....	Price \$1.75
Trumpet	{ 13H—10 varieties; 10 of each (100 bulbs) postage extra, at zone rates.....	3.00
Varieties	{ 13K—10 varieties; 25 of each (250 bulbs) by express.....	7.00

250 bulbs of a kind supplied at 1000 rate; 25 at 100 rate; 6 at dozen rate.



NARCISSUS VICTORIA



NARCISSUS MME. DE GRAAFF
The Finest in Its Class



"Special" Collections

These collections are excellent value, and well suited for growing in pots. The selections of varieties are to be left to us and customers can rely on a choice assortment. Leedsii varieties included with the Incomparabilis.

No. 14C—6 of each in 5 varieties (30 bulbs) \$1.25
No. 14D—6 of each in 10 varieties (60 bulbs) \$2.50
No. 14E—12 of each in 10 varieties (120 bulbs) \$4.50
No. 14C, No. 14D, Postpaid; No. 14E, Express.

Leedsii or

White Incomparabilis

Also called the Eucharis-flowered Narcissus

All have white perianths with white or sulphur trumpets. One of the most beautiful classes for cutting of all daffodils.

If by Parcel Post, weights same as above.

DUCHESSE OF WESTMINSTER. A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white. Doz., \$1.50; per 100, \$10.00; per 1000, \$90.00.

Marie DeGraaff. Broad white perianth segments and widely expanded primrose crown, often suffused with orange or terra-cotta.

Doz., 40c; per 100, \$2.60; per 1000, \$23.00.

Mrs. Langtry. A remarkably free flowering variety, broad white Doz. 100 1000
perianth, and white cup opening primrose. Valuable for naturalizing. \$0.30 \$1.75 \$15.00

WHITE LADY. A giant-flowering variety, resembling a **White Sir Watkin.** Large broad pure white perianth and a bold frilled cup of pale citron passing to white. .80 5.50 50.00

Small Cupped or Star Narcissi

To this class belong the most interesting of all Narcissi, including the **Barri, Burbidgei, Englehearti** (Flat trumpet) sorts. The cups are usually tipped red, or entirely orange-scarlet, and are dainty flowers for pot culture, or nooks in the garden. Plant in semi-shade, as strong sunlight is liable to burn the red cups.

Barri Conspicuus. A flower of exquisite beauty, unexcelled for cutting; Doz. 100 1000
large, broad spreading perianth, broad, short cup conspicuously edged
bright orange scarlet. Lasts long in water. \$0.25 \$1.50 \$13.00

FIREBRAND. (New). A grand introduction. Large spreading creamy
white perianth with crinkled trumpet, brilliant fiery red to the base.
Planted in pots it is extremely fascinating. .80 5.50 50.00

Flora Wilson. A large pure white perianth; yellow crown deeply stained
with orange red. .60 3.50 30.00

INCOGNITA. (New). A beautiful flower, with large white perianth,
large, flat cup of a glowing orange apricot color, margined cinnamon-
buff. One of the finest of recent introductions. Each 35c 3.50 25.00

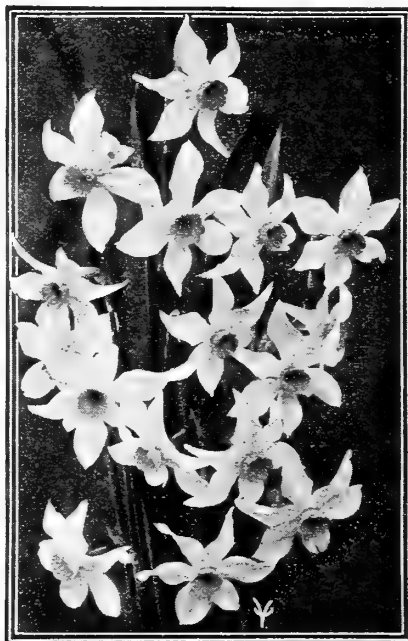
NARCISSUS—Medium Sized Trumpets (Incomparabilis Class)

THIS class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. When forced for winter flowers they are splendid and when used as a cut flower are very decorative.

We include under this heading the beautiful **Leedsii** kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white perianths and as a rule white cups, though some are often shaded primrose or faint buff-orange. They make excellent pot plants; force well, being valuable in this respect for early white flowers. They are also exceedingly hardy, and are well adapted for planting out permanently in grass or in the Hardy Plant Border.

If by Parcel Post, weights of all bulbs on this page are as follows: 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates on inside of front cover.

Autocrat. A flower of exquisite shape; perianth and cup a uniform pure yellow. Excellent for pots or beds.	Doz.	100	1000
	\$0.35	\$2.35	\$21.00
Beauty. Sulphur-yellow perianth, large yellow cup margined scarlet. . . . .	.60	4.00	35.00
BLACKWELL. One of the earliest in this section and a splendid forcing variety. Perianth, primrose yellow, of good substance, with a long tubular cup, orange-red to the base. Very striking	Each 35c	3.50	25.00
Cynosure. Large handsome flowers; perianth primrose, changing to white; cup yellow, stained orange; much used for forcing.	0.25	1.60	14.00
C. J. Backhouse. Pale yellow spreading perianth, with a long cup of glowing orange-red.	0.45	3.00	25.00
Gloria Mundi. A lovely flower with fine, bold, clear rich yellow perianth, large cup, much expanded, and very heavily stained orange-scarlet; handsome and striking.	0.90	6.50	60.00
HOMESPUN. (Primrose Sir Watkin.) One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. Has received more awards than almost any other Daffodil.	Each 50c	5.00	40.00



NARCISSUS FIREBRAND

Leonie. An extremely pretty and very prolific grower; pale primrose perianth, fine open frilled cup of a deeper shade. Splendid for pots and a fine border plant for cutting.

Doz. \$0.75; 100, \$4.50; 1000, \$40.00.

Lucifer. (New). Long, white segments, long narrow cup, color intense glowing orange-scarlet. Splendid garden plant, as color lasts well in the sun. Per doz., \$0.90; per 100, \$6.50; per 1000, \$60.00.

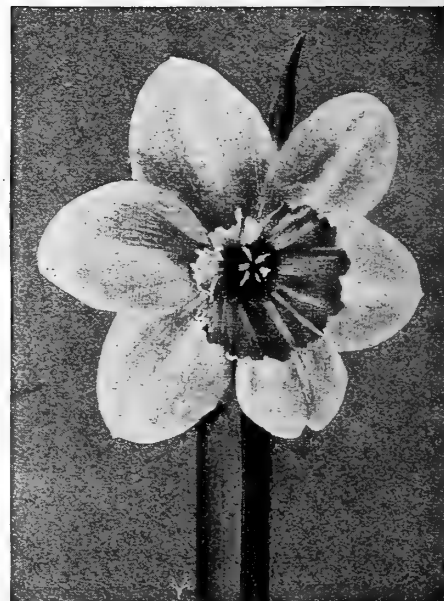
SIR WATKIN. A well known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large rich golden trumpet. **Mammoth Bulbs,** per doz., \$0.50, per 100, \$3.50; per 1000, \$30.00. Medium size, per doz., \$0.30; per 100, \$2.10; per 1000, \$19.00.

Vaughan's Collections

of Medium and Small-Cupped Narcissi
Delightful in pots, grouped in the border, or in clumps on the lawn. (Buy one of these collections and have something better than your neighbor.)

"NOVELTY" COLLECTIONS

Homespun	White Lady	Blackwell
Firebrand	Incognita	
No. 14A—3 of each for \$3.50; Postpaid.		
No. 14B—6 of each for \$6.75; Postpaid.		



NARCISSUS HOMESPUN

Poeticus Narcissus

POET'S NARCISSUS OR PHEASANT-EYE.

THESE are a beautiful class of daffodil. The flowers vary in perianth diameter from 2½ to 4 inches. The segments are pure white, overlapping in the newer varieties, the flat cup is yellow, usually edged scarlet, or sometimes entirely scarlet. They have a delightful perfume, and make grand indoor plants in pots, the earlier ones forcing well if desired. They are also adapted for planting in the garden, woods, or amongst shrubbery, where left to themselves they will rapidly increase and spread.

If by Parcel Post, 12 bulbs weigh 1 lb.; 100, 7 lbs. Price "each" includes postage. Add postage at Zone rates.

Poeticus. (Common Pheasant's Eye). The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late.	Doz.	100	1000
	\$0.25	\$1.25	\$10.00
Praecox Grandiflorus. A new and large type of early-flowering Poeticus; very large and handsome flowers; pure white with yellow cup suffused with crimson; height 19 inches.	.45	3.00	25.00
Glorv. A grand new variety producing immense snow-white flowers of perfect form; cup yellow edged red.	.50	3.50	30.00
Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower. Large Bulbs.	.25	1.50	13.00
	.30	2.00	17.00
Mammoth Bulbs.			
King Edward VII. (Almira). Magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early flowering variety.	.50	3.50	30.00

New Dwarf Narcissi

THESE are charming and interesting little daffodils, suitable for growing in nooks on rockeries, or bordering other flower bulbs. When grown in small pans, pots or ornamental bowls they are most attractive for conservatory and house use. They are extremely scarce and should be planted early. Heights are given.

Prices Include Postage.

Mountain Maid. (Leedsii) 8 inch. Pure white; perfect frilled trumpet, broad overlapping perianth segments. Resembles a miniature Eucharis Lily. Scarce. Three for \$1.00; per doz., \$3.50; per 100, \$25.00.

Minimus. (Magni) 3 inch. If one can imagine a perfect Golden Spur with trumpet about ⅜ inch long and perianth ⅝ inch over all, growing about 3 inches high, one has a good description of this charming little flower. Scarce. Three for 25c; per doz., 90c; per 100, \$6.00; per 1000, 50.00.

Nanus. (Magni) 6 inch. A dwarf early flowering variety of a full rich yellow, a gem for edgings; its little flowers bespangle the ground like stars. Three for 20c; per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

Triandrus Albus (Angel's Tears.) 6 in. This is the original of the Triandrus class, characterized by the long tubular white trumpet, and white petals turned back over the seed pod. An exquisite flower. Three for 25c; per doz., 75c; per 100, \$5.00; per 1000, \$40.00.

See Special Offers below.

BULBS, TUBEROUS-ROOTED PLANTS.

C. I. Allen. Includes their history, description, methods of propagation, and complete directions for their successful culture. Ill. Cloth. 310 pp. Price.....\$1.50

Flower Bulbs and How to Grow Them. 72 pp. Ill. Price......25



TYPE OF NARCISSUS POETICUS

Elvira. Pure white with yellow eye, large flower of remarkably good substance; a good keeper; very long stemmed, 3 to 4 flowers on a stem; one of the strongest growing Narcissus. Extra free-flowering.	Doz.	100	1000
	.45	3.00	25.00
Irene. Perianth silky sulphur-yellow changing to light yellow; orange eye; large broad truss, bearing 8 to 9 flowers; most pleasing color; this novelty no doubt will soon be in good demand.	.80	5.50	50.00
Klondyke. Perianth yellow, with deep golden yellow eye, one of the deepest yellows. Trusses bring 6 to 7 flowers.	1.60	12.00	100.00
Triumph. Pure white perianth, with deep yellow eye, the largest flowers of this section, resembling Narcissus Bazelman Major; 3 to 4 flowers on a stem; a sterling novelty.	.90	6.00	55.00

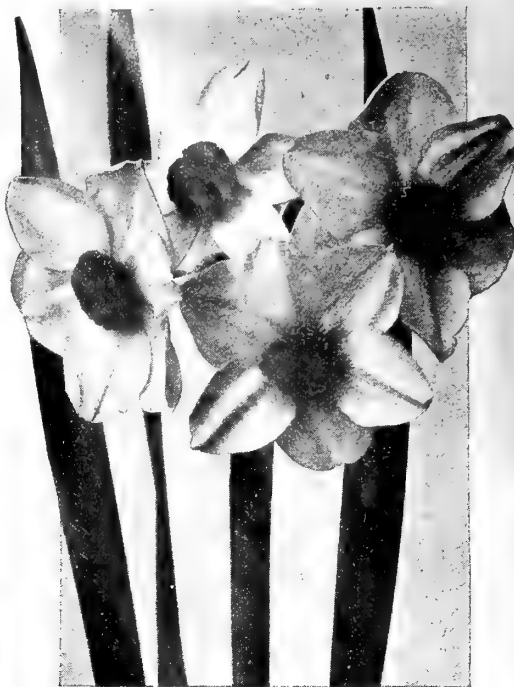
Vaughan's Special Offers

15E—3 each, "Poeticus" named on this page, postpaid.....	\$0.40
15H—3 each, "Poetaz" named on this page, postpaid.....	1.20
15J—3 each, of "Dwarf Varieties" on this page, postpaid....	1.50
15K—6 each, of "Dwarf Varieties" on this page, postpaid....	2.75

Jonquils

JONQUILS are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller Narcissi. For indoor decoration three or four bulbs should be grown in a four or five-inch pot. (Postal rates as above.)

Single. Yellow, sweet scented. Usually 2 to 3 flowers on a stem.	Doz.	100	1000
	\$0.20	\$1.15	\$9.00
Double. Fragrant. Rich golden yellow, fragrant flowers, usually two on a stem.	.30	2.00	17.50
Campanelle. Large, for forcing or bedding. Very fragrant.	.25	1.30	11.00
Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing.	.25	1.50	13.00
Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed.	.40	2.50	20.00



NARCISSUS POETAZ ELVIRA

Narcissus Poetaz

(THE HARDY, CLUSTER-FLOWERED DAFFODIL)

BY crossing Poeticus and Polyanthus varieties growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. The individual flowers have all more or less the Poeticus shape and size. Besides being hardy, this class has the merit that they have not inherited the strong, disagreeable scent of the Polyanthus Narcissus. Planted in beds they make a mass of flowers. They also do well planted in pots for winter flowers.

If by Parcel Post, 12 bulbs weigh 1 lb.; 100, 7 lbs. Price "each" includes postage. Add postage at Zone rates.

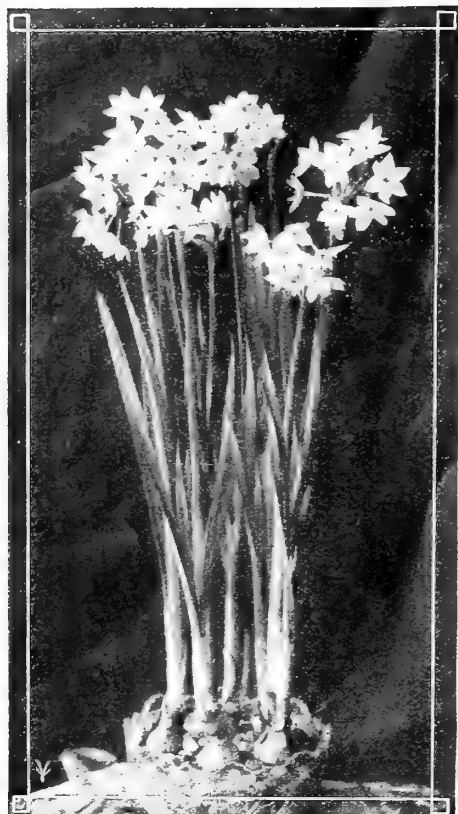
Alsace. Petals pure white with yellow eye; when bursting into flower the eye is slightly edged reddish. Broad, large flowers of true Poet form; one of the earliest. Has three flowers on a stem.	Per dozen	\$.80
	Per 100	5.50
	Per 1000	50.00
Aspasia. Perianth pure white, with yellow eye true Poeticus form, large flowers, borne on very tall stems, grows 24 inches high, 3 to 4 flowers on a stem.	Per dozen	\$ 0.45
	Per 100	3.00
	Per 1000	25.00



NARC. ALBA PLENA ODORATA (See p. 16)

Dunkirk, New York.
"The Cottage and Parrot Tulips made a beautiful display."
"The Darwins were the handsomest seen in this vicinity."
"The Old Dutch Breeders contained some of the most beautiful and chaste colorings possible in Tulips."
"The Narcissus Victoria and Empress, also Von Sion were certainly the largest and finest seen hereabouts."
Yours truly, JOHN PLAYER.

Parcel Post rates are given on inside of front cover and on order sheet,



PAPER WHITE GRANDIFLORA
Growing in Gravel

Double Sacred Lily (Double Roman Narcissus)

GROWN in the same manner as Chinese Sacred Lily. Produces abundance of double flowers; white, shaded beautiful yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. Each 4c; doz., 30c; 100, \$2.00.

Vaughan's Special Collections, Tazetta Narcissus

A—1 of each (6 varieties), postpaid..\$0.50

B—3 of each (6 varieties), postpaid ..\$1.40

Double Narcissi

THESE old fashioned daffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs; 50, 7 lbs.

Alba Plena Ordorata—The well known double white, sweet scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late flowering, and will not force. Best suited for beds or naturalizing. (See page 15).....	Doz.	100	1000
Incomparabilis (Butter and Eggs), the double form of Sir Watkin. Light yellow and orange; forces well.....	\$0.25	\$1.50	\$13.00
Orange Phoenix (Eggs and Bacon) white and orange.....	.35	2.25	20.00
Sulphur Phoenix (Codlins and Cream), white and sulphur yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow.....	.40	2.40	22.00
VON SION, the common Double Yellow Daffodil. Mother Bulbs. (Jumbo Size.) The bulbs are extra large in size and will throw three to five flowers each. We get only a limited quantity of these.....	.40	2.40	22.00
VON SION XXX Mammoth Double-Nosed Bulbs, largest and finest roots our growers can select. Each bulb will bring two or more flowers.....	.80	5.50	50.00
VON SION, Fancy Selected Bulbs.....	.65	4.50	40.00
VON SION, First Sized Bulbs.....	.40	2.60	23.00
VON SION, First Sized Bulbs.....	.30	2.00	17.00

Bowls for Chinese Lilies and Other Bulbs

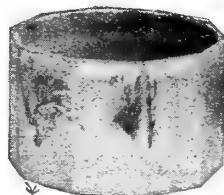
These "Zasco" Earthenware Bowls are made of hard-fired pottery, with a mat-gray body in over-run glazes of highly, harmonizing colors. They are absolutely non-porous and therefore will not damage furniture or other household articles through moisture permeating through. They are perfectly adapted to indoor bulb culture, either for growing Paper White Narcissi and Chinese Lilies in gravel and water, or the numerous bulbs that can be grown in our Prepared Fiber, (see page 11).

They come in two styles:

F. L. Style (Round)		
Diam.	Each	3 for
6-inch.....	\$0.35	\$1.00
8-inch.....	.60	1.70

Style 30 (Octagonal)		
Diam.	Each	3 for
6-inch.....	\$0.30	\$0.85
8-inch.....	.45	1.25

GRAVEL, such as is used for above. 5 lbs., 20c; 10 lbs., 35c; per lb., 5c.



DAFFODILS OR NARCISSI—Continued

Polyanthus Narcissus (BUNCH FLOWERED)

NARCISSUS TAZETTA

THE Polyanthus or bunch-flowered Narcissi are not only beautiful, but exceedingly fragrant, and may be grown in bowls or glasses under the same treatment as for Chinese Sacred Lily. Also suitable for window garden, conservatory or garden, very free flowering and continuing long in bloom. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden.

If by Parcel Post, 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates given on inside front cover.

	Each	Doz.	100
Bazleman Major—Large flowers in immense clusters; broad pure white perianth; large dark yellow cup; one of the finest Polyanthus Narcissus in cultivation.....	\$0.10	\$0.90	\$6.00
Gloriosus—Pure white flowers of large size with orange cup; borne in large heads.....	.08	.75	5.00
Grand Monarque—One of the finest of the Polyantha section, giving excellent results when grown in gravel and water. The bulbs are of large size. Flowers are white with a lemon-yellow cup.....	.08	.75	5.00
Grand Primo—Perianth pure white, with citron cup.....	.08	.75	5.00
Lord Canning—Clusters of large golden-yellow flowers with orange cups; extra fine.....	.08	.75	5.00
Maestro—Large round, thick-petaled flowers of cream white, with deep orange cup; a grand sort.....	.10	.90	6.00
Mont Cenis—This is undoubtedly the finest of Narcissi; its large white flowers with yellow cup come to a medium height, often more than two flower stems from a bulb and each stem 15 to 18 blooms.....	.10	.90	6.00
WHITE PEARL—Large pure white flowers opening with cream cups, which change to white in a day or two; these chaste and beautiful flowers are borne in large clusters....	.08	.75	5.00

Paper White Grandiflora

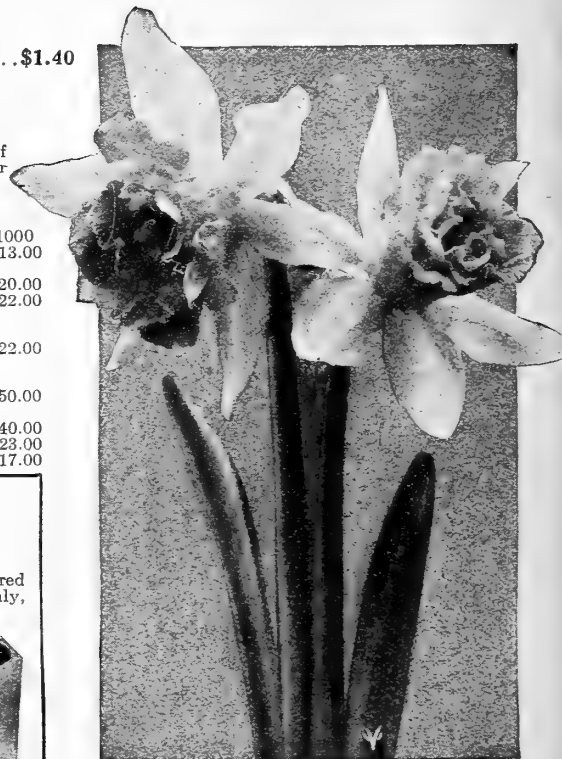
LARGE FLOWERING—This large flowering type is such an improvement over the ordinary "Paper White" that we have discontinued offering the latter. The "Large Flowering" is more vigorous and earlier, producing purest snow-white flowers of large size and good substance. This Narcissus does splendidly when grown in bowls of water and pebbles or moss the same as Chinese Narcissus.

	Doz.	100	1000
Fancy Selected Bulbs, three for 14c.....	\$0.45	\$2.25	\$17.00
Mammoth (Star Brand), three for 16c.....	.55	3.00	25.00

Chinese Sacred Lily or Joss Flower

THE Chinese Polyanthus Narcissus. Can be grown in pots, or bowls of gravel and water, the latter being the usual way, and very ornamental when in bloom. Each bulb throws up from 5 to 10 flower spikes, bearing white blossoms, with yellow center; of a most delicious fragrance.

LARGE SELECTED BULBS, Each, 15c; 2 for 25c; per doz., \$1.25.
Per Post, 3c extra per bulb



NARCISSUS VON SION
(Double Daffodil)

Vaughan's prepared fiber offered on page 11, is a clean and nutritious substance for growing bulbs in pots and bowls indoors.

Various Bulbs

Allium Neapolitanum

THIS is one of the most beautiful bulbous plants for conservatory, house or window-garden. The flowers are star-shaped, and are produced in large, loosely-spreading umbels, on stems 20 inches high. Per doz., 25c; per 100, \$1.25; per 1000, \$10.00. "Dozen" and "100" prices include postage.

Amaryllis

TO BE SUCCESSFUL with these bulbs, customers should follow closely our cultural directions. On receipt of the bulbs in autumn place them in damp moss in a temperature of 60 degrees, and allow the flowering shoots to appear before the bulbs are potted. When first potted give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. The proper soil for Amaryllis is turfy loam enriched with rotten manure.

(Exp.)—Express at buyer's expense. Price 'each' includes postage. Mailing weight, per doz. 6 lbs. Add postage at zone rates.

Belladonna Major. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. Each, 20c; per doz., \$2.00; per 100, \$15.00.

Kerr's Hybrids. This is a magnificent new English strain far in a way ahead of anything previously offered. The stems are usually from 2 to 3 feet high, often carrying 3 immense blooms, the colors of which are amazing. There are whites, white striped pink and crimson, brilliant scarlet, crimson, beautiful pinks and other delicate shades that language fails in describing. A quantity of these was grown at our greenhouses the past year, and blooms exhibited at our store from time to time, attracted much attention and called forth praiseworthy comments. Ea., 75c; doz., \$7.50.

Johnsoni. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong, fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. Large Bulbs, each, 25c; 3 for 70c; doz., \$2.60; 100, \$20.00. Mammoth Bulbs, each, 40c; 3 for \$1.15; doz., \$4.25; 100, \$30.00. (exp.)

Vittata Hybrids. These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers are exceedingly rich in color and markings, spikes are usually from 2 to 3 feet in height bearing from 3 to 5 enormous trumpet-shaped flowers. Each, 50c; doz., \$5.50; 100, \$40.00. (exp.)

Anemone (Windflower)

THE varieties offered below are charming hardy spring flowers, and are becoming better known and more popular as a garden flower. Both



AMARYLLIS—Kerr's New Hybrids



COLCHICUM AUTUMNALE

Anemone—Continued

double and single are equally desirable, and no garden should be without them. They are suitable for pot or border culture, and when planted in masses are most effective. They succeed best in a light, rich, well drained loam. Plant in November, or as soon as the ground can be worked in the spring. If planted in the autumn, they should be covered with leaves, straw or long manure on the approach of winter. For pot culture, fill with any rich, porous compost, with good drainage, planting 4 roots in a 5-inch pot; place in a cold frame, or any moderately cool situation, giving very little water until the plants appear; then remove to the greenhouse or sitting room. If by Parcel post, 1000 bulbs weigh 1 lb. Prices per dozen and 100 include postage.

Ceres. Double white suffused with rose. Per doz., 35c; per 100, \$2.25; per 1000, \$18.00.

Fulgens. The most brilliant and effective of all Anemones, dazzling vermilion-scarlet, with jet-black center; excellent for cutting. Per doz., 50c; per 100, \$3.50; per 1000, \$30.00.

King of the Scarlets. Double bright scarlet. Per doz., 40c; per 100, \$2.40; per 1000, \$21.00.

King of the Blues. Double very fine blue. Per doz., 35c; per 100, \$2.25; per 1000, \$18.00.

White. (The Bride), single. Per doz., 25c; per 100, \$1.25; per 1000, \$9.00.

Single Mixed. All colors. Per doz., 25c; per 100, \$1.25; per 1000, \$9.00.

Double Mixed. All colors. Per doz., 30c; per 100, \$2.00; per 1000, \$16.00.

St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across and of the richest as well as the daintiest colors, markings, blendings, all having a distinct dark base. They have long stems, very graceful for vases. Per doz., 40c; per 100, \$2.40; per 1000, \$21.00.

Babiana

PRETTY little plant, bearing showy spikes of flowers, which are much characterized by their rich self-colors or the striking contrast of very distinct hues in the same flower. Best when grown in pots. Mixed colors.

Per doz., 50c; per 100, \$3.50, (post free); per 1000 \$30.00.

Calla (Richardia)

Aethiopica (Arum or White Calla Lily). A well known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of August; re-pot in good, rich soil, using 6 to 8-inch pot, give water, light and heat in abundance and the result will be most satisfactory.

If by Parcel Post, add postage at Zone Rates.

	Each	Doz.	100
First Size (1¼-1½ inch); weight, dozen, 1 lb.....	\$0.10	\$1.00	\$7.00
Select Size (1½-2 inch); weight, dozen, 2 lbs.....	.15	1.50	11.00
Mammoth (2-2½ inch); weight, dozen, 3 lbs.....	.25	2.75	20.00

Spotted Leaf. (Richardia Alba Maculata.) The leaves of this variety are deep green with numerous white spots, which give the plant a very ornamental appearance. The flowers are white with a black center; they grow freely either indoors or out. Mailing weight, dozen, 2 lbs.

Each, 10c; per dozen, \$1.00; per 100, \$7.00.

Golden Yellow. (Elliottiana.) Rare and beautiful variety; same habit of growth as ordinary white Calla, flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots. A large stock enables us to offer strong bulbs.

Each, 25c; dozen, \$2.40; per 100, \$18.00. Add 5c each for postage.

Calochortus or Mariposa Tulip

THESE famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings. Mixed, per doz., 50c; per 100, \$3.00; postpaid; per 1000, \$25.00.

BONE MEAL is the safest fertilizer for all bulbs. Try it in your potting mixture: 2½ to 3 lbs. to the bushel. Price, 5 lbs., 25c; 50 lbs., \$1.40; 100 lbs., \$2.40.

Quantities, Depths and Distances apart, for planting bulbs are given on page 2



VAUGHAN'S "PRIDE OF HOLLAND" CROCUSES *Chionodoxa* (Glory of the Snow)

THE *Chionodoxa* is one of our loveliest Spring flowers, and when established its sheets of blue in very early Spring are a great attraction in the garden. It should be largely used in borders and dotted over bulb beds, also massed on rockwork. Once planted it comes up year after year, the flower spikes increasing in size and beauty. Excellent in pots. Prices include postage.

Lucillae. Bright blue with large clear white center. Doz. 100 1000
Large cultivated bulbs.....\$0.25 \$1.50 \$12.00
Sardensis. Intense deep blue. Large cultivated bulbs.... .30 1.60 13.00

Colchicum Autumnale

Autumn-Flowering Crocus

EXTREMELY pretty in the Herbaceous border or among shrubs, and quite odd looking, as they bloom previous to making foliage—which does not appear until spring. They should be ordered at once if required to bloom this year, September and October being their flowering months.

Mailing weight, per dozen, 2 lbs. Doz. 100
Autumnale Major, large, rich purple blooms.....3 for 40c \$1.50 \$10.00

Vaughan's Superb Crocus

Spring Flowering Varieties

ONE of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or where three or four rows are arranged in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot. This gives a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. They will not flower if exposed to heat, nor must severe forcing be attempted. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

Dozen price includes postage. 100 bulbs weigh 3 lbs.
Albion, blue, striped white. **La Majestouse**, white, violet stripe.
Baron von Bruno, dark blue. **Madam Mina**, white striped.
David Rizzio, deep purple. **Sir Walter Scott**, white, blue stripe.
Dandy, blue. **Mammoth White**.
Non Plus Ultra, blue, bordered white. **Cloth of Gold**, yellow and brown.
Othello, dark purple. **Cloth of Silver**, white and lilac.
Mont Blanc, pure white. **Select Yellow**, choice bulbs.

Price, per doz., 25c; 100, \$1.30; 1000, \$10.50.

SPECIAL OFFER "W": 10 of each above. 140 bulbs, \$1.70, Postpaid.

Vaughan's "Pride of Holland" Strain of Named Crocus

THIS is a special large flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture, the size of the blooms being very noticeable. We offer five colors. Please mention "Pride of Holland" strain when ordering.

Sir Walter Scott, white, blue striped. **Mammoth Yellow**.
Queen Victoria, pure white. **David Rizzio**.
King of Blues, fine blue.

Price, per dozen, 30c; 100, \$1.75; 1000, \$15.00.

Unnamed Crocus, Separate Shades

THESE bulbs are of good size and will produce large flowers and are excellent for grass planting and borders.

White.....	}	Doz.	100	1000
Blue and Purple.....		\$0.10	\$0.75	\$6.50
Striped and Variegated.....				
Yellow, large.....				

Vaughan's Special Mixture

Giant Flowered Crocus

WE make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoor in lawns, along borders or amongst shrubbery this mixture cannot be excelled.

Doz., 30c; 100, \$1.50; 1000, \$12.00.

Vaughan's Prepared Fiber, offered on page 11, is a clean and nutritious substance for growing bulbs in pots and bowls, indoors

Dielytra Spectabilis (Bleeding Heart)

A VERY graceful pot-plant for greenhouse and room decoration, also for summer-flowering in shrubberies or shady borders. The elegant pendent branches are loaded with heart-shaped rosy crimson flowers, and furnished with graceful delicate green foliage. Height 1½ to 2 ft. Strong roots.

Each, 20c; 3 for 55c; postage 5c extra. Per doz, \$2.00. Dozen weigh 3 lbs.

Eranthis Hyemalis (Winter Aconite)

EARLY in spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green of cushion leaves, forming a striking contrast to the Snow-drop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. 8 inches high. (Price per dozen and 100 includes postage.)

Per doz., 20c; per 100, \$1.15; per 1000, \$8.00.

Erythronium (Dog's-Tooth Violet)

BEAUTIFUL plants, perfectly hardy; the foliage is usually charmingly variegated, and a mass of 15 or 20 plants is a pretty sight. Plants luxuriate in rather moist, partially shady positions, and do very nicely when grown in pots for winter blooming. Price, per doz., 30c; per 100, \$1.75 (postpaid); per 1000, \$15.00.

Vaughan's Giant Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted up in August and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. The bulbs should be purchased at once so as to provide good root-growth before being taken indoors, which frost compels. Dozen and 100 prices include postage.

REFRACTA ALBA. A fine variety bearing long sprays of fine white flowers. Very fragrant. Doz. 100 1000
Jumbo bulbs, each 5c......\$0.40 \$3.00 \$27.00
Mammoth bulbs.......30 1.75 15.00

VAUGHAN'S PURITY. Flowers are of a magnificent snowy white, of very large size and great fragrance. One bulb will throw three to five flower-heads, each of which will have from eight to nine buds. One of the finest Freesias we have ever seen. Doz. 100 1000

Mammoth Bulbs, each 5c......\$0.40 \$3.00 \$25.00
Large Bulbs.......30 2.00 18.00

VAUGHAN'S GIANT WHITE. A splendid snow-white variety producing an abundance of large sprays. The petals are reflexed at the tips, giving the flower an open star-shaped appearance. 3 for 10c; doz., 35c; 100, \$2.00; 1000, \$15.00.

New Colored Freesias

THESE are rapidly winning favor on account of their lovely and unique colorings and shadings, very delicate fragrance. Each principal spike usually carries 7 to 9 flowers—while the side spikes, of which each bulb produces several, usually bear 5 to 6 flowers. The culture differs in no way from that of Freesia Refracta.

Each, 10c; per dozen, \$1.00; per 100, \$7.00; post free.

Scarlet Freesias (*Amomatheca Cruenta*). Dozen, 25c; per 100, \$1.50; per 1000, \$10.00.

Fritillaria Imperialis (Crown Imperial)

THE *Crown Imperial* is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, orchards, etc. For forming bold groups in the permanent border or on lawns it is of great value, and should be allowed to remain undisturbed. To obtain the best results, plant the bulbs in September, in a good, deep loam. Each, 20c; 3 for 50c; per doz., \$1.75 (postpaid).



VAUGHAN'S GIANT FREESIAS

Fritillaria Meleagris

SINGULAR dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors, yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable for pot culture and exceedingly pretty when grown in large groups in the garden border or wild dry situation. Per doz., 30c; per 100, \$1.75 (postpaid).

Gladiolus, Early Flowering

FOR grace and beauty these early flowering Gladiolus cannot be excelled. Being of dwarf habit, they can be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb and may be planted outdoors in the late fall, 4 to 6 inches deep, if protected with at least a covering of from 4 to 6 inches of leaves or dry manure; this protection must be removed early in the spring.

For Indoor Culture, place 6 to 12 bulbs in a pan filled with fairly sandy soil; place outdoors protected from frost until winter sets in, then remove to a light but cool corner of the cellar until February 1st, when they should be brought to gentle heat and light.

Price per dozen and 100 includes postage.

	Per Doz.	Per 100	Per 1000
Ackerman —Salmon, blotched with scarlet and carmine.....	\$0.30	\$1.50	\$12.00
The Bride (Colvillei Alba) —Bright, graceful variety, having pure white flowers.....	.30	1.50	12.00
Blushing Bride (Delicatissima) —Flowers are large, blush white with pink blotches on three lower petals.....	.25	1.25	10.00
Cardinal Elegans —Fiery scarlet, flaked white; graceful drooping foliage; very exquisite.....	.35	2.00	15.00
Fiery Knight —This is a specially striking and beautiful variety, and we can highly recommend it for all purposes. Dark scarlet, flaked violet.....	.40	2.25	18.00
Peach Blossom —Splendid variety, producing graceful spikes of charming flowers, delicate rosy blush, blotched pale rose and cream, free bloomer and of fine vigorous growth.....	.30	1.50	12.00
Queen of Holland —Pure white flaked light sulphur, bordered red.....	.35	2.00	15.00
Sans Pareille —Light lilac, small blotch on lower petals.....	.35	2.00	15.00
Sapho —Soft lilac, flaked white, bordered violet.....	.35	2.00	15.00
Grape Hyacinth —See Muscari, page 22.			



SPANISH IRIS



GLADIOLUS—The Bride

Bulbous Irises

New Early Giant Irises

THIS new race of Iris differs from the **Spanish Iris** in flowering a fortnight earlier and having larger flowers of greater substance, while the foliage is very broad and glaucous. They will be found valuable in giving a decoration in the garden in the period intervening between the late Cottage Tulips and the Spanish Irises. Their colors are bright and attractive. In very cold districts they should be given protection in winter. We offer them in 6 distinct kinds, packed separately.

3 of each, 6 vars (postpaid).....\$1.00 | 12 of each, 6 vars (postpaid).....\$3.50
6 of each, 6 vars (postpaid).....1.80 | 25 of each, 6 vars (postpaid).....6.00

Spanish Iris (Iris Hispanica)

ONE of the most beautiful of our Spring flowers, coming into bloom when flowers are scarce, after all daffodils and tulips are over, and before the early Summer flowers are ready. When planted in pots and grown out of doors in the cold frame, they can be brought in when growth is well advanced, and will bloom late in March or early April. Dozen and 100 prices include postage.

Named Varieties—Large Bulbs

	Per Doz.	Per 100	Per 1000
Belle Chinoise , dark yellow.....	\$0.25	\$1.15	\$ 9.00
British Queen , white, extra fine.....	.25	1.15	9.00
Beauty , porcelain blue.....	.25	1.25	10.00
Bronze Queen , the finest terra-cotta.....	.30	1.50	12.00
Cajanus , clear yellow, extra.....	.25	1.15	9.00
Count of Nassau , dark blue.....	.25	1.15	9.00
Darling , dark blue.....	.25	1.25	10.00
Hercules , dark bronze.....	.30	1.50	12.00
La Neige , snow-white.....	.25	1.25	10.00
Louise , beautiful shade of light blue.....	.25	1.15	9.00
Mia , blue-purple.....	.30	1.50	12.00
Reconnaissance , fine bronze.....	.30	1.50	12.00
Wouverman , beautiful orange yellow.....	.30	1.50	12.00
MIXED , all colors.....	.20	.85	7.00

English Iris (Iris Anglica)

THE varieties of English Iris are among the finest flowers we have in early summer. It got its popular name in a rather curious way, being sent from its Pyrenean home, where its distribution is limited, to Bristol traders, thence to Holland. The Dutch, supposing it to be a native of English shores, called it the English Iris. The flowers are quite distinct in aspect from those of the Spanish Iris and appear a fortnight later.

	Each	Per Doz.	Per 100
Adelaine , white, violet striped.....	\$0.06	\$0.50	\$2.50
Grand Lilas , light blue.....	.06	.50	2.50
Mont Blanc , pure white, large flower.....	.06	.50	2.50
Othello , dark blue.....	.06	.50	2.50
MIXED , all colors (per 1000, \$15.00).....	...	.30	1.75

Mourning Iris (Iris Susiana)

IMMENSE flowers, bluish tinted brown and covered with a network of fine lines. Flowers to the end of May and grows about a foot high.

Each, 18c; doz., \$1.75; 100, \$12.00. Mailing weight, doz., ¼ lb.

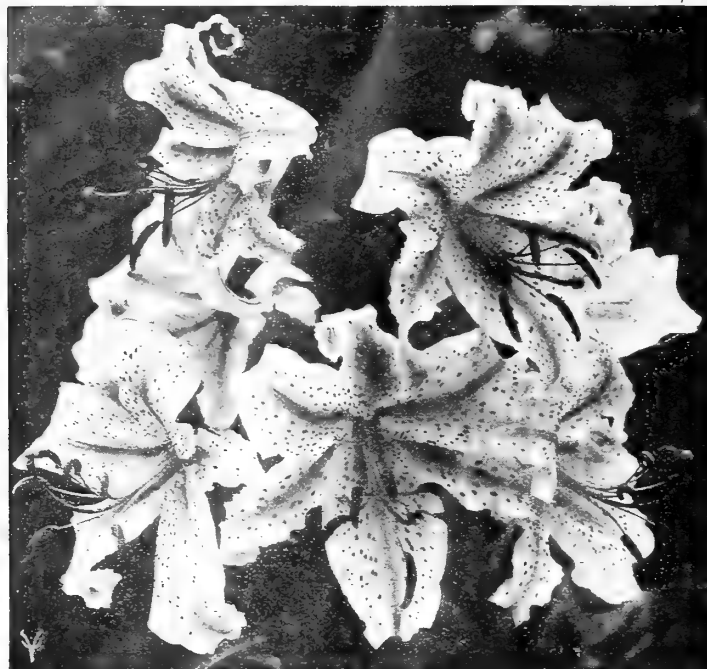
(For other Irises see list of Perennial Plants.)

Ixia—See page 22.



NEW EARLY GIANT IRIS

6 bulbs of a kind supplied at dozen rate, 25 at 100 rate, 250 at 1,000 rate.



LILIAM AURATUM

Lilium Harrisii—(True Bermuda Easter Lily) Best grown indoors

This mammoth white Trumpet Lily, with flowers 4 or 5 inches long, is a splendid Lily for winter forcing and flowering. Has large, handsome, trumpet-shaped flowers, pure white, and of a delicious fragrance; very free-flowering, the smallest size bulbs producing freely. Can be had in bloom indoors from Christmas to Easter. For blooming at Christmas, it is best to order bulbs as soon as you receive this catalog.

	Each	Per Doz.	Per 100
First Size (6 to 7 inches).....	\$0.15	\$1.25	\$ 9.00
Select Size (7 to 9 inches).....	.20	2.00	15.00
Mammoth Size (9 to 11 inches).....	.50	5.00	30.00

Lilium Longiflorum Giganteum—(Japanese Easter Lily) Best grown indoors

Best of all lilies for indoor pot culture; bulbs planted when received, about latter part of September, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet-shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection), it is splendid for outdoor planting and should be used with Candidum for succession of bloom, as it flowers about July 10th, right after the Candidum has flowered.

	Each	Per Doz.	Per 100
First Size (6 to 8 inches).....	\$0.10	\$1.00	\$ 7.00
Select Size (7 to 9 inches).....	.15	1.50	10.00
Mammoth Size (9 to 10 inches).....	.30	3.00	20.00

Lilium Auratum—(The Gold-banded Lily of Japan)

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

	Each	Per Doz.	Per 100
First Size (8-9 in.).....	\$0.20	\$1.50	\$ 9.00
Mammoth (9-11 in.).....	.35	2.50	15.00
Monster (11-12 in.).....	.45	3.00	20.00

Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted but much larger, the petals more overlapping, and of greater substance.

	Each	Per Doz.	Per 100
First Size (8-10).....	\$0.30	\$2.50	\$15.00

Lilium Auratum Rubro-Vittatum

A beautiful distinct and imposing Lily of the Auratum type, producing flowers rays as large as the golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal a heavy band of crimson, accompanied by crimson spots on a pure white ground.

Strong Flowering Bulbs, Each 40c; per doz., \$3.00; 100, \$20.00.

VAUGHAN'S

FOR color, fragrance beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the Hardy Plant Border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Note.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival. Lilium Harrisii and Candidum are ready in August; all others in November.

When asked for we give a free pamphlet, "Naturalizing Lilies," with each order for lily bulbs.

Out door culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the Hardy Plant Border where they receive protection as well as shade. Many varieties are termed "stem-rooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. (Continued top of page 21).

Lilium Candidum—(Madonna, or Annunciation Lily)

This is one of the oldest, loveliest and best known Lilies. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring a position where it can get plenty of light and air. Blooms in the open ground about June 20th. We recommend early planting of this Lily, as it makes its leaf-growth in the fall, and thus prepares itself for early blooming. Orders, should, therefore, be sent in on receipt of this Catalogue.

	Each	Doz.	100
First Size.....	\$0.15	\$1.25	\$8.00
Select Size.....	.20	1.50	10.00
Mammoth Size.....	.25	2.50	18.00
Jumbo Size.....	.60	6.00	35.00

Vaughan's
Lily Bulbs
are grown by

Experienced
Dependable
Growers



NEWARK, N.J.
April, 1917.

"The bulbs which you sent are in fine condition, especially the Speciosum Rubrum which are even larger than the Lilium Auratum. I would also like to tell you of the Hyacinth and Narcissus Bulbs. One pot of Von Sions had 14 well developed flowers; it was a sight worth seeing.

MRS. HENRY MERZ.

We give away
a FREE
pamphlet on
"Naturalizing
Lilies"
with
each Lily order
when asked for

EASTER
LILIES

Order Lilium Candidum at Once for September Planting.

LILY BULBS

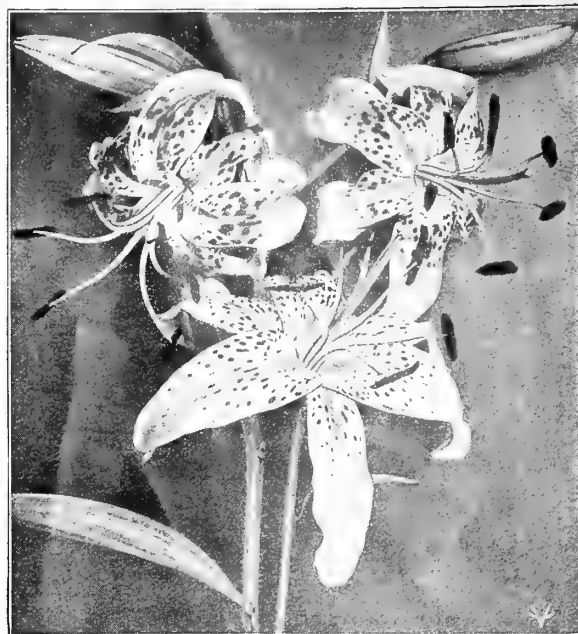
Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep putting some sand under and around the bulbs, and after covering, protect with six or eight inches of leaves or other litter, which must be removed in late Spring.

April planting is advisable, if severe frost prevented planting the previous November.

Indoor Culture.—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is essential.**

Lily Bulbs by Parcel Post.—Add postage at Zone rates on inside of front cover.

Size	3 Bulbs Weigh	Dozen Weigh
8-9 in.	1½ lb.	4-5 lbs.
9-11 in.	1½-2 lbs.	6-7 lbs.
11-13 in.	2-3 lbs.	9-10 lbs.



LILIAM SPECIOSUM RUBRUM

Lilium Speciosum—Lance-leaved Lily

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum** and **Melpomene** types.

Album—Pure white	Each	Per Doz.	Per 100
First Size (8-9 in.)	\$0.25	\$1.75	\$14.00
Mammoth (9-11 in.)	.40	2.75	18.00

Rubrum—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.

	Each	Per Doz.	Per 100
First Size (8-9 in.)	\$0.20	\$1.40	\$ 9.00
Mammoth (9-11 in.)	.35	2.50	15.00
Monster (11-12 in.)	.45	3.00	20.00

Melpomene—White, spotted and splashed deep crimson.	Each	Per Doz.	Per 100
First Size (8-9 in.)	.25	1.60	10.00
Mammoth (9-11 in.)	.40	2.75	18.00

Lilium Myriophyllum (New)

A new and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting. **Each, \$1.00; per doz. \$10.00.**

Various Hardy Lilies

“Each” and “dozen” prices include postage

SPECIAL LILY COLLECTION

One each, 12 varieties, our selection, postpaid, \$1.50.

	Each	Per Doz.	Per 100
Brownii. Immense handsome trumpet-shaped flowers, 8 to 10 inches long. Pure white inside brownish fawn outside. Blooms in July.	\$0.50	\$5.00	
Canadense. —(Meadow Lily.) Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows.	.12	1.25	\$8.00
Candidum. —See page 20.			
Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown.	.50	5.00	35.00
Elegans Aurora. Deep, rich orange suffused scarlet.	.18	1.75	12.00
Elegans Leonard Joerg. Rich apricot, spotted.	.15	1.50	10.00
Elegans Painted Chief. Bright flame color.	.15	1.50	10.00
Elegans Robustum. Orange spotted maroon.	.15	1.50	10.00
Elegans Mixed. A splendid assortment of this type.	.12	1.25	8.00
Hansonii. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable.	.40	4.00	30.00
Krameri. Delicate rose pink of elegant outline and graceful habit. Blooms in July.	.25	2.00	15.00
Pardalinum. —(Leopard Lily). Rich scarlet and yellow, spotted rich brown.	.15	1.50	9.00
Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple.	.12	1.25	8.00
Tenuifolium. —(Siberian Lily). A native of Siberia; one of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; blooms early in spring.	.12	1.25	8.00
Tigrinum Splendens. Very hardy native Lily; orange, spotted purple.	.10	1.00	7.00
figrinum Flore Pleno. —(Double Tiger Lily). The well known double Tiger Lily. Rich orange blossoms, 4 ft.	.12	1.25	8.00
Tigrinum Fortunei. —(Improved Tiger Lily). Bulbs will produce more flowers than the ordinary variety.	.18	1.75	12.00
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff, and apricot.	.12	1.25	8.00



THE MADONNA LILY
LILIAM CANDIDUM

We supply 6 bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.



MUSCARI (Grape Hyacinth)

Vaughan's Giant Ixias

MUCH admired for their brilliant colors and graceful flower-stalks, resembling miniature Gladiolus. Colors include many shades of yellow, pink, scarlet and crimson. The center of the flower is always a distinct dark color and the contrast in full sunlight is very striking. Plant six or eight bulbs in a 6-in. bulb-pan, covering them 1 in. Not hardy, only in California or similar climates. **Prices include postage.**

Alba. Splendid white, purplish crimson eye, well shaped flowers.

Doz., 30c; 100, \$1.50; 1000, \$12.00.

Crateroides Major. Bright scarlet, the earliest of all, good for forcing.

Doz., 35c; 100, \$2.25; 1000, \$20.00.

Wonder. Bright rose, beautiful self colored variety.

Doz., 30c; 100, \$1.50; 1000, \$12.00.

Sunbeam. Rich orange, with crimson stripes.

Doz., 30c; 100, \$1.50; 1000, \$12.00.

Viridiflora (The Green Ixia). Flowers sea-green, with black eye.

Doz., 45c; 100, \$3.00; 1000, \$25.00.

Extra Fine Mixed, per doz., 15c; per 100, 90c; per 1000, \$6.00.

Leucojum Venum

(Spring Snowflake)

PRETTY bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing in rich soil from 1 to 2 ft. high, and producing freely beautiful large white flowers, distinctly tipped with green; excellent for cutting. When once planted, they take care of themselves. Should have a place in all hardy collections, particularly shady nooks; can be grown in pots. **Per doz., 40c; per 100, \$2.25; (postpaid); per 1000, \$20.00.**

Lily of the Valley (Ready in November)

AN old, well known favorite; principally used for winter forcing. Very fragrant and producing in abundance. For indoor culture, plant about 25 pips or roots in a 7-in. pot or pan, place outside, where they should be left until they have been subjected to several fairly cold nights which brings them into flower more readily. When grown outdoors, always plant in a shaded place, preferably moist. They bloom in eight weeks inside; and, if planted at intervals, a succession of flowers can be had all winter. While the pips are adapted for outdoor culture, we especially recommend the clumps for this purpose, as they give a quicker and better effect at less cost. **Price, per bundle of 25, includes postage; 100 pips weigh 5 lbs.; average weight of each clump is 3 lbs. Postage extra, as per rates on inside of front cover.**

Vaughan's Perfection Pips. These are specially selected and produce the largest sprays of bells.

Per 25, \$1.25; per 100, \$4.00; per 1000, \$30.00.

Fortin's New Giant Valley. The finest of all "Valley," having larger bells and longer and stouter stems than any other. Unsuitable for forcing. **Per 25, \$1.50; per 100, \$5.00.**

Large Imported Clumps. For outdoor planting in a shady moist position; these will give better bloom than the pips. **Each, 30c (postage extra); per doz., \$3.50; per 100, \$25.00 (exp.).**

Valley From Cold Storage

For forcing. Flowers in about 3 weeks. **Case 500 pips, for \$16.00; case 1000 pips, for \$30.00.**

Vaughan's Prepared fiber offered on page 11, is a clean and nutritious substance for growing bulbs in pots and bowls indoors.

Muscari (Grape Hyacinth)

BEAUTIFUL little flowers for planting in masses either in shade or sun. Once planted, they multiply rapidly and send up flower stems by the score each year. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Botryoides (Blue). Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. **Per dozen, 20c; per 100, \$1.10; per 1000, \$8.00 (postpaid).**

Botryoides Album (Pure White). This is a beautiful companion to the above, and they make a striking show when planted together. **Price, per dozen, 25c; per 100, \$1.20; per 1000, \$9.00 (postpaid).**

Plumosum (Ostrich Feather or Plume Hyacinth), bearing large broad plume-like heads of a pretty mauve color. **Price, per dozen, 30c; per 100, \$1.30; per 1000, \$10.00 (postpaid).**

Ornithogalum Arabicum (Star of Bethlehem)

TALL spikes bearing large heads of white flowers with glistening black centers. This is a glorious bulbous plant, grown in a warm sunny border outside, or in pots for conservatory decoration; it forces well, and can be had in bloom by Easter, it lasts long in flower. Height, 1½-2 ft. Extra fine flowering bulbs. **Price, per doz., 35c; per 100, \$2.00; per 1000, \$18.00.**

Oxalis

MOST of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil, with considerable light, for their successful growth. **Dozen and 100 prices include postage.**

Alba. White. Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.

Bermuda Buttercup. A profuse bloomer. The flowers, which are borne in clusters, are of a bright canary yellow, and make a beautiful contrast against the background of dark green foliage. Strong bulbs. **Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.**

Bowei. Clear red. **Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.**

Cernua Lutea. Yellow. Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.

Cernua Lutea. fl. pl. (New.) Double yellow. Per doz., 40c; per 100, \$2.25; per 1000, \$20.00.

Deppei Speciosa. Light carmine. Per doz., 25c; per 100, \$1.25; per 1000, \$9.00.

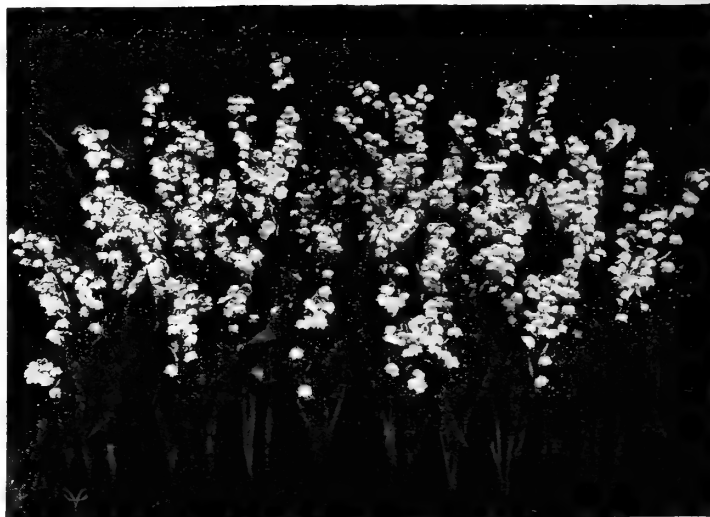
Grand Duchess (Lavender, White or Pink). Flowers are large, often measuring 3 in. in diameter, and are borne well above the foliage, the leaves being large, clover-shaped. **Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.**

Hirta Rosea. Pink. Per doz., 35c; per 100, \$1.40; per 1000, \$10.00.

Mixed. Fine assortment. Per doz., 20c; per 100, \$1.00; per 1000, \$8.00.



RANUNCULUS—Turban



LILY OF THE VALLEY

Puschkinia Libanotica

AN exceedingly beautiful spring flower, somewhat resembling a Hyacinth or Campanula bell. The flowers are pure azure-blue and last a long time. Makes a very showy border, and very effective when planted in clusters on rockeries, or in the hardy plant border. It is perfectly hardy, and can be left undisturbed for years. **Per doz., 35c; per 100, \$1.75; per 1000, \$15.00.**

Ranunculus (Buttercup)

NOTHING produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, **claws downwards**, and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water.

Prices Include Postage.

	Doz.	100	1000
PERSIAN, Fireball. Vermillion	\$0.35	\$1.75	\$15.00
Hector. White pointed brown .....	.35	1.75	15.00
Mont Blanc. Pure white .....	.35	1.75	15.00
Zwarte Konig. Black .....	.40	2.25	18.00
Mixed. All colors .....	.20	1.20	8.00
FRENCH, Princess Alice. Yellowish white .....	.25	1.50	12.00
Radetsky. Fine scarlet .....	.25	1.50	12.00
Sulphurex. Light brown .....	.25	1.50	12.00
Mixed. All colors .....	.20	1.20	8.00
TURBAN, Hercules. Pure white .....	.35	1.75	15.00
Merveilleuse. Orange-yellow .....	.40	2.25	18.00
Romano. Scarlet .....	.25	1.50	12.00
Mixed. All colors .....	.25	1.25	10.00

Snowdrops (Galanthus)

IN early spring there is nothing more beautiful than graceful blossoms of the snowdrop. Beds and effects of surpassing beauty may be arranged with Snowdrops in the center, edged with Scilla Sibirica, or Chionodoxas. In beds of Tulips and Hyacinths, Snowdrops are very effective between the lines; they flower while these bulbs are just moving to the surface, and when the flowers are over there remains an elegant groundwork of green foliage. Used as a permanent edging, and in masses on the edges of lawns, nestling in the grass, they look charming. Snowdrops are easily flowered in pots during the winter.

Prices per dozen and 100 include postage.

	Doz.	100	1000
SINGLE (Largest Bulbs)	\$0.25	\$1.30	\$11.00
DOUBLE (Largest Bulbs) .....	.35	1.75	15.00



SCILLA CAMPANULATA

Scillas (Squills or Wood Hyacinths)

AS edgings and masses in beds and borders, Scillas are most valuable, and produce a grand effect in flower and shrubby borders, and are most valuable for wild gardens and woodlands, where they should be largely naturalized. They succeed in shady flower borders and bare shady places, and odd corners which often have a desert-like appearance in the flower garden can by their use be rendered bright and cheerful.

Prices per dozen and 100 include postage.

SIBIRICA (The Blue Squill)—Bright blue, nothing more beautiful for edgings or pots in early spring, flowering with the Snowdrop. Height, 4 inches.

	Doz.	100	1000
Jumbo Bulbs	\$0.35	\$1.75	\$15.00
Mammoth Bulbs .....	.25	1.40	11.00
Select Bulbs .....	.20	1.15	8.00

CAMPANULATA—Large bells, clear blue, very erect habit. (15 in.)

	.20	1.15	8.00
Alba. Pure white (12 in.) .....	.25	1.20	9.00
Rosea. Fine rose (15 in.) .....	.25	1.20	9.00

Sparaxis

BEAUTIFUL flowers, about 2 inches across, borne on long, graceful spikes; the colors are of the most telling combinations and of the brightest shades.

Price, per doz., 20c; per 100, \$1.00 (postpaid); per 1000, \$7.00.

Spiraeas (Ready in November)

THESE are remarkably elegant and graceful plants; with large heads of pink and white flowers, and are strongly recommended for early forcing. Use as small a pot as the clump will conveniently fit in, with good drainage, and water regularly twice a day. **If by Parcel Post, each clump weighs from 1½ to 2 lbs.**

GLADSTONE. Produces enormous spikes of pure white flowers and resplendent with foliage of beautiful green.

Each, 35c; doz., \$3.00.

QUEEN ALEXANDRA (Pink). Of a clear pink color, does not fade with age, with dense compact spikes. Each, 50c; doz., \$5.00.

Triteleia Uniflora

A PRETTY little blue and white flower for edging beds and borders of taller spring flowering bulbs. (4 in.)

Price, per doz., 20c; per 100, \$1.00 (postpaid); per 1000, \$7.00.

Trillium Grandiflorum

NATIVE WOOD LILY. Flowers pure white, turning in a few days to a soft rose. Very hardy. (12 in.) **Price, per doz., 75c; per 100, \$4.50 (postpaid); per 1000, \$40.00.**

6 Bulbs of a kind supplied at dozen rate; 25 at 100 rate; 250 at 1000 rate.

Vaughan's Giant Pansies



PANSY—Vaughan's International Mixture

FOR complete list of varieties see our Spring catalogue. We have much call for the lighter shades of pansies, particularly those with veins and rays of contrasting colors and we have selected the following to meet this need.

Adonis. Light blue with white center.
Aureola. Carmine, white stripe.
Beaconsfield. Upper petals light lavender, lower ones a deep rich purple.
Bridesmaid. Rosy white, dark blotches.
Comet. Porcelain white with blue stripes on lower petals.
Eros. Deep velvety brown, edged golden.
Freya. Deep purple violet, with white margin.
Mad. Perret. Lovely shades of pink and rose.
Marechal Niel. A pleasing cream color.
Orchid Flowered, Andromeda. Delicate apple-blossom.
Almond Blossom. Delicate rose.
Daybreak. Soft pink.
Mammoth. An odd combination of light greenish yellow ground, with deep purple blotches.

Orchid Flowered, Sunlight. Bright yellow brown spots.

Superba. This is an improvement on the original Orchid Flowered.

Mixed. Rare light shades, large frilled flowers.

Pretiosa. Each petal has a large blotch of deep violet on crimson background, with white edge.

Psyche. Velvety violet blotches, edged white.

Raphael. Blue veins, violet spots on white ground.

Rosy Morn. A bright purplish-crimson margined with a clear white edge.

Siegfried. They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades.

Each of the above, Per pkt., 10c.

Vaughan's International Mixture

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and one which we maintain most carefully, not alone as to quality, but in vitality and germination.

Price, 5 pkts., \$1.00; 3 pkts., 65c; per pkt. (250 seeds), 25c; 1/8 oz., \$1.75.

Vaughan's Giant Mixture

Includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals.

1/2 oz., \$3.00; 1/8 oz., \$1.00; 1 pkt. (250 seeds), 20c; 3-20c pkts., 50c; 125 seeds, 10c.

Annuals for Fall Planting

One pkt. each, nine varieties 50c; or they may be purchased separately at prices attached.

Late last Fall we planted in our Nursery at Western Springs, Ill., seeds of a few hardy annuals to discover what varieties would give the best results in this latitude. Early in June of this year, before the Annuals which were planted this Spring were in bloom, the following from fall sown seed were in bud and full flower.

Delphinium, Double Giant Hyacinth-Flowered Mixed...... Pkt. \$0.05
Hunnemannia Fumariaefolia (Bush Escholtzia)..... .05

Antirrhinum, Vaughan's Special Mixture	Pkt. \$0.15
Brachycome Iberidifolia, (Swan River Daisy) Blue.....	.05
Candytuft, Giant Hyacinth-Flowered White.....	.10
Callendula, Orange King.....	.05
Calloopsis Drummondii, Golden Wave.....	.05
Centaurea Cyanus (Double Lawson Pink Cornflower).....	.10
Centaurea Cyanus (Double Blue Cornflower).....	.10

Sweet Peas

WINTER FLOWERING—Spencer Type—All packets contain 30 seeds

THE happy possessor of a greenhouse may plant these at once inside for blooming in midwinter, and the owner of a garden may plant these in late November or early December in the open ground, just before the ground is frozen, so that germination may take place early in the Spring before the ground is usually in condition to be worked. Sweet Peas planted in the fall produce a better root growth, and these early-flowering varieties bloom before the warm weather overtakes them in midsummer.

	Pkt.	Oz.
Anita Wehrmann. Beautiful lavender.....	\$0.10	\$0.80
Mrs. A. A. Skaach. Bright shell pink.....	.10	.80
Mrs. J. Manda. Light shell pink, re-selected; true.....	.10	.70
Mrs. William Sim. Salmon pink.....	.10	.80
Mrs. M. Spanolin. Black-seeded white.....	.10	.80
Pink and White. Blanche Ferry type, extra choice.....	.10	.80
Fordhook Pink and White.....	.15	1.20
President Woodrow Wilson. Magenta rose.....	.10	.80
Rose Queen. One of the best pinks; true.....	.15	1.00
Selma Swenson. Clear light soft pink.....	.10	.80
Lavender Pink.....	.10	.80
Venus. Standard white, slightly blushed pink wings.....	.10	.80
White Orchid. White flowers of good substance.....	.10	.80
Yarrowa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted bluff with blush wings..	.10	.80
Early Snow Flake. The blossoms are very large pure white and of the best waved Spencer form.....	Pkt. \$0.20	
Early Heather Bell. The color is a rich but pleasing mauve, but after standing in water the color becomes a beautiful mauve lavender	.20	
Winter Flowering Hercules. Of the same lovely shade of pink as Countess Spencer, but larger.....	.25	

Winter Flowering Scarlet Emperor. Identical in color and size of blossoms to the late flowering Scarlet Emperor which is recognized as the finest scarlet.....	Pkt. \$0.25
Winter Flowering Asta Ohn. Identical in color and size of blossom to the popular late flowering Asta Ohn. This is sure to be the most popular lavender.....	.25
Winter Flowering Wedgewood. Identical in color and size of blossom to the late flowering Wedgewood and is a magnificent clear blue.....	.25
Winter Flowering Cream. Identical in color and size of blossom to Dobbie's Cream. It has immense blossoms very frilled and duplexed.	.25
Winter Flowering Helen Lewis. Very fine shade of salmon pink...	.25
Early Morning Star. Deep orange scarlet or flame color in standard, with rich orange pink wings.....	.20
Early Song Bird. The flower is the same color as "Florence Morse Spencer" (pale pink) and a bit lighter than "Elfrida Pearson." The flowers are borne on long stems in threes and fours.....	.20
Early Melody. This is a deeper shade of pink than "Early Song Bird" on white ground, closely resembling "Countess Spencer.".....	.20
Early Spring Maid. Light pink on a cream ground.....	.20
MIXED. Winter Flowering Spencers, many kinds.....	Pkt. 10 Oz. 70

WINTER FLOWERING—Unwin Types

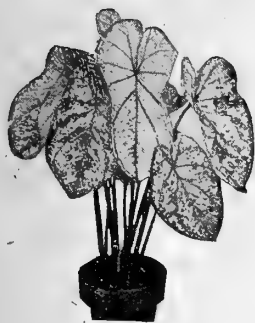
Blue Jay. Bright blue self color.....	.10
Lavender Nora. Most pleasing lavender.....	.10

Decorative Plants

FOR HOUSE AND CONSERVATORY



CROTON



CALADIUM

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from \$2.00; \$3.00, \$5.00 and up to \$30.00 in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, when ordered at the "each" price, will be sent by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompanied by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on inside of front cover. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. A. or Canada when sent by express. If forwarded in any other manner they are entirely at the risk of the purchaser.

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. 2½ inch each 15c; doz. \$1.50; 3½ inch each 25c; doz. \$2.50.

Sprengeri. Suitable for hanging baskets and porch boxes. 2½ in. pots, each 15c; doz. \$1.50. 4 in. pots, each 25c; doz. \$2.50.

ASPLENIUM Nidus Avis (Birds Nest Fern.) An interesting species with large dark green foliage. 4 in. pots, each, 75c; 5 in. pots, \$1.25 to \$1.50 each.

ASPIDISTRA (Iron Plant.) Green. \$1.50 and \$2.00 each.

AUCUBA Japonica Variegata (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, each, \$1.00; 3 for \$2.75; 24 to 30 in. high, each \$2.00; 3 for \$5.50. If wanted in tubs add 50c to the above prices.

AZALEAS. Fine winter-blooming house plants. Colors from pure white to deep crimson-scarlet. Plants freshly imported ready Nov. 1st. 12 to 14 inches, by express, each.....\$1.50
14 to 16 inches, by express, each.....2.00
For larger sizes write for prices.

BOUGAINVILLEA Sanderiana. A popular plant for Easter. Its brilliant rosy crimson flowers are produced from early in March until midsummer. Each, 25c.

CALADIUMS, Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs, ready in January, each 30 cents; 6 for \$1.50; doz. \$2.50, postpaid.

CISSUS Discolor. A beautiful climber for the conservatory, with mottled and marbled crimson and green foliage. Each, 25c; doz., \$2.50.

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors, from 75 cents each and up to \$2.50 and \$5.00.

CROTONS. The richest of all variegated plants, fine for indoor culture. Plants, each 50 cents; specimens, each \$1.00, \$1.50, \$2.00 and \$3.00 (by express).

CYCAS (Sago Palm). Plants in leaf, 50c to \$3.00.

CYCLAMEN, Dark Crimson, Dark Rose, White and Pink. 4 in pots, each 50c; 5 in. pots, each \$1.00; 6 in. pots, \$1.50 to \$2.00 each (by express).

CYPERUS ALTERNIFOLIUS. (Umbrella Plant.) Excellent house or aquatic plant. 3 in. pots, each 15c; 4 in. pots, each 25c.

DIEFFENBACHIA Magnifica (Shining Comb.) Green foliage, variegated with whitish striated blotches. Each, 50c to \$1.00.

DRACAENA Imperialis. Robust growing dark green foliage with bright pink shadings and edgings in the young growth. Each, 75c to \$3.00.



DRACAENA MASSANGEANA



DRACAENA TERMINALIS

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

DRACAENA—Continued.

Fragrans. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. Each, 25c to \$1.00.

Massangeana. A beautiful variegated form of Fragrans with broad green foliage, broad golden yellow band through the center of each leaf. Each, \$1.50 to \$2.50.

Terminalis. Rich crimson foliage, marked with pink and white. Each, 50c to \$1.00.

FERNS, Boston. Long, gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. 20 cents each; 3 for 50 cents, postpaid. Larger plants, 50 cents, 75 cents, \$1.25 each. Specimens, \$3.00 to \$6.00. All by express.

Cyrtomium Rochfordianum (Holly Fern). Withstands varying temperatures, making it a useful house plant. 4 in. pots. Each 35c.

Nephrolepis Roosevelt, Jr. ("Teddy Jr.") A sport from the Boston, producing short but broader fronds, tapering from base to tip, which droop gently, forming a very graceful plant. Small plants, each 20 cents; 3 for 50 cents, postpaid. Larger plants, 75 cents to \$2.50 each (express).

Nephrolepis Whitmani (Ostrich Plume Fern). Finely divided fronds, resembling a plume. 20 cents each; 3 for 50 cents, postpaid. Larger plants, 75 cents and \$1.25 each (express).

Adiantum Hybridum (Maiden Hair). Each 20c; 3 for 50c, postpaid.

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. 15c ea.; 3 for 40c; 10 for \$1.00 postpaid.

FICUS Elastica (Rubber Tree). 12 in. high, 50c each, by express.

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, each 20 cents; 3 for 50 cents postpaid. Larger plants, each 35 cents. (Express.)

LEMON VERBENA. Indispensable for the delightful fragrance of its leaves. Each, 15c; doz., \$1.50.

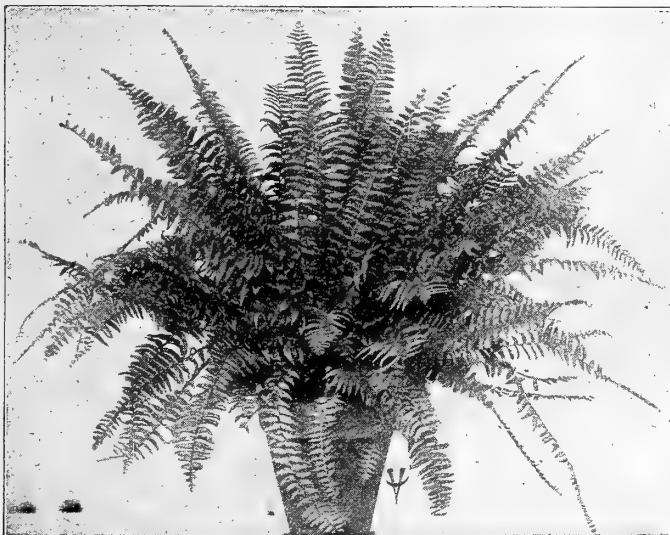
PALMS. We have Kentia Belmoreana and Forsteriana, and Phoenix Roebelenii; fine plants at 75c, \$1.00.

PANDANUS Veitchii. Variegated green and white. \$1.00, \$2.00 and \$3.00 each. (Exp.)

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. Each, 15c, 20c and 35c.

TRADESCANTIA Tricolor. (Wandering Jew). Most beautifully variegated purple, scarlet and white. Each, 10c; doz., \$1.00.

SANSEVIERIA Zeylanica. An elegant variegated plant especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity. Each, 75c.



BOSTON FERN

Hardy Perennial Plants



Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

No. 21—Hardy Plants	25 first class plants in variety for	\$ 3.00
No. 22—	50 "	5.00
No. 23—	100 "	9.50
No. 24—	250 "	23.00
No. 25—	500 "	45.00
No. 26—	1000 "	85.00

Plants and Bulbs for Spring Effect

All the varieties of plants marked thus § in the following lists are especially desirable for **planting in the fall** with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted.

About Prices

Where the price each is given, the following are our rates for 3 of a kind unless otherwise noted.

Each	3 for	Each	3 for
\$0.10	\$0.25	\$0.35	\$1.00
15..... per 100, \$10.00	40	40.....	1 10
20..... per 100, 12.00	50	45.....	1 25
25..... per 100, 15.00	65	50.....	1 40
30.....	80		

Parcel Post

The following are the approximate weights of plants which can be sent by Parcel Post. Parcel Post rates are given on inside of front cover, and on order sheet of this catalog. Please add postage at zone rates.

	3 Plants	6 Plants
Plants, in 2½-inch paper pots.....	1 lb	2-3 lbs.
Plants, in 4-inch paper pots.....	3-4 "	7-8 "
Perennial Plants, (Paper wrapped).....	1½-2 "	3-4 "

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Dos.	Use, Soil, Position, Etc.
ACHILLEA	Milfoil. Yarrow.						
Millefolium Roseum.....		June-Aug.....	Pink.....	2 ft.....	20c	2.00	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.
Eupatorium, Parker's Variety.....		June-Aug.....	Yellow.....	4-5 ft.....	20c	2.00	
Ptarmica, Boule de Neige (Ball of Snow).....		June-Aug.....	White.....	2 ft.....	20c	2.00	
Perry's White (New).....		June-Aug.....	White.....	2 ft.....	25c	2.50	
The Pearl.....		June-Aug.....	White.....	2 ft.....	20c	2.00	Perry's White is a new variety and is the best of its class.
ACONITUM	Monkshood						
Spark's Variety.....		Sept-Oct.....	Dark Blue.....	5 ft.....	25c	2.50	Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. Spark's variety is a rare plant and darkest of all.
ADONIS	Bird's Eye						
Amurensis.....		April-May.....	Yellow.....	1 ft.....	50c	5.00	A lovely spring-blooming plant, suitable for a sunny or partially shaded location in loamy soil. Splendid double yellow flowers.
AJUGA							
Reptans Atropurpurea.....	Bugleweed.....	May.....	Blue to Rose.....	3 to 6 in.....	20c	2.00	Useful for rockery and ground carpet, especially in places too shady for grass.
ALYSSUM	Madwort						
Saxatile Compactum.....	Gold Dust.....	May-June.....	Golden Yellow.....	1 ft.....	20c	2.00	Showy spring-flowering plants. Valuable for front row in border or rock garden.
ANCHUSA	Alkanet						
Italica, Dropmore Variety.....		May-June.....	Blue.....	5-6 ft.....	20c	2.00	Forget-Me-Not like, blue flowers, borne in great profusion. One of the best blue perennials, coming into bloom before the Delphiniums, and continuing in flower throughout the summer.
Myosotidiflora.....		May-June.....	Bright Blue.....	1 ft.....	35c	3.50	
Opal.....		May-June.....	Pale Blue.....	3 to 4 ft.....	25c	2.50	
ANEMONE	Wind Flower.						
Canadensis.....		June-Aug.....	White.....	1 ft.....	20c	2.00	Canadensis is a pretty flower producing its white flowers in profusion throughout the summer. Thrives well in shade.
Japonica	These should be planted in the spring.						
AQUILEGIA	Columbine.						
Canadensis.....		June-Aug.....	Red and Yellow.....	2 ft.....	20c	2.00	The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting.
Chrysantha.....		June-Aug.....	Golden Yellow.....	3 ft.....	20c	2.00	
Alba.....		June-Aug.....	Pure White.....	2 ft.....	20c	2.00	
Coerulea.....		June-Aug.....	True Blue.....	1 ft.....	20c	2.00	
Hybrida.....		June-Aug.....	Mixed.....	1 ft.....	20c	2.00	
Nivea Grandiflora.....		June-Aug.....	White.....	2 ft.....	20c	2.00	
Rose Queen.....		June-Aug.....	Beautiful Pink.....	1 to 1½ ft.....	20c	2.00	
Vaughan's Long Spurred Mixed.....		June-Aug.....	Mixed.....	1½ to 2 ft.....	25c	2.50	
ARABIS							
§Alpina.....	Rock Cress.....	April-May.....	White.....	6 in.....	20c	2.00	Arabis thrives well in a hot, dry situation and makes a good covering for walls or rock garden, also front row in hardy border, and can be planted in beds filled with Hyacinths and Tulips in Fall.
§Alpina Flora Plena.....	Rock Cress.....	April-May.....	Double White.....	6 in.....	25c	2.50	

Darwin Tulips planted among Perennial plants make a gorgeous display in May



ACHILLEA—The Pearl



CAMPANULA (Canterbury Bell)



DIELYTRA (Bleeding Heart)

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
ARMERIA	Thrift, Sea Pink						Armerias require a well drained loam. A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
$\frac{1}{2}$ Lauchiana		May	Rose	6 in.	20c	2.00	
ARTEMISIA	Southern Wood						A useful class of plants either for the perennial border or the shrubbery. This variety is especially desirable, producing long, graceful panicles of creamy white flowers.
Lactiflora		Sept.-Oct.	White	4-4½ ft.	25c	2.50	
ASCLEPIAS							Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.
Tuberosa	Butterfly-Weed	June-Aug.	Bright Orange	2 ft.	20c	2.00	
ASTER (Hardy)	Blue Mountain Daisy						Splendid Autumn-flowering plants, preferring a partly shaded location. All are graceful and decorative cut flowers. Climax and Wells White are of the new Michaelmas Daisy type, having flowers 1½ in. and more in diameter.
Novi Belgii Climax		Oct.-Nov.	Lavender Blue	5 ft.	25c	2.50	
Wells' White		Oct.-Nov.	White	3-4 ft.	25c	2.50	
St. Egwin		Oct.-Nov.	Pink	2½-3 ft.	20c	2.00	
BELLIS							Valuable for edging beds or clumps in front of border.
Perennis	English Daisy	April-June	Pink or White	6 in.	10c	1.00	
BLEEDING HEART	See Dielytra	May-June	Pink	2½ in.	20c	2.00	Pendulous sprays of pink flowers.
BOLTONIA	False Camomile						This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.
Asteroides		July-Oct.	White	4 ft.	20c	2.00	
Latisquama		August	White	6 ft.	20c	2.00	
BUDDLEYA	Butterfly Bush						A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter.
Variabilis Veitchiana		July-Aug.	Mauve	3 ft.	20c	2.00	
CAMPANULA	Bell Flower						A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The Canterbury Bell is familiar and an old favorite, and is to be had in many colors. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. The Canterbury Bells are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants; and the double white variety. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more. Lactiflora Magnifica is a new addition with very large flowers.
Carpatica	Harebell	June-Aug.	Blue	1 ft.	20c	2.00	
Alba		June-Aug.	White	1 ft.	20c	2.00	
Calycanthemum	Cup and Saucer	June-Aug.	Mixed	2 ft.	20c	2.00	
Alba		June-Aug.	White	2 ft.	20c	2.00	
Lactiflora Magnifica Alba		June-Aug.	White	3 ft.	50c	5.00	
Coerulea		June-Aug.	Blue	3 ft.	25c	2.50	
Medium	Canterbury Bells	June-Aug.	Mixed	2 ft.	20c	2.00	
White, Blue and Pink		June-Aug.	White	2 ft.	20c	2.00	
Persicifolia	Peach Bells	June-Aug.	Blue	2 ft.	25c	2.50	
Alba		June-Aug.	White	2 ft.	25c	2.50	
Pyramidalis	Chimney Bellflower	Sept.	Blue	4-6 ft.	25c	2.50	
Alba		Sept.	Pure White	4-6 ft.	25c	2.50	
Trachelium Coeruleum		July-Aug.	White	2-3 ft.	20c	2.00	
Trachelium Fl. Pl.		July-Aug.	Double Blue	2-3 ft.	25c	2.50	
CARNATION	Hardy Carnation						After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double red and white flowers, produced in succession all summer. Make excellent beds and edgings, and valuable cut flowers.
Grenadin		June-Sept.	Scarlet	1½ ft.	25c	2.50	
White Grenadin		June-Sept.	White	1½ ft.	25c	2.50	
CASSIA							A very handsome border plant, with graceful, finely-cut foliage, and yellow pea-shaped flowers.
Marylandica	American Senna	Aug.-Sept.	Yellow	2¼ ft.	20c	2.00	
CENTAUREA	Hardheads or Knapweed						Good border plants bearing thistle-shaped flowers of value for cut flowers, which last a long time in water; will grow in any soil.
Montana		July-Sept.	Blue	1½ ft.	20c	2.00	
Pulcherrima		July	Rose	2 ft.	20c	2.00	
CHELONE	Shellflower						Tall graceful spikes of long tubular flowers somewhat resembling Foxglove bells. A very bright and attractive plant.
Barbatus Torreyi		July-Aug.	Coral Red	3 ft.	20c	2.00	

The Cottage Tulips are Excellent for the Perennial Border; All are Perfectly Hardy.



COREOPSIS LANCEOLATA



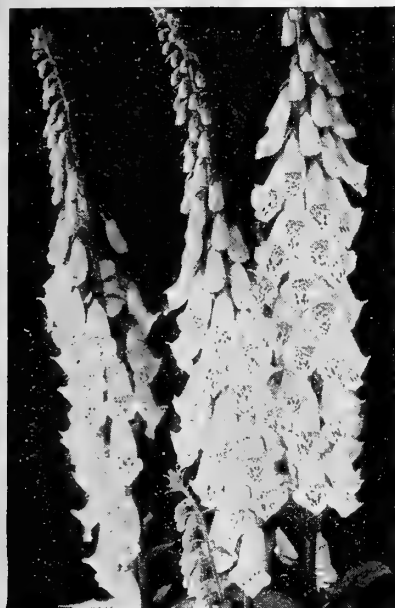
DICTAMNUS FRAXINELLA (Gas Plant)



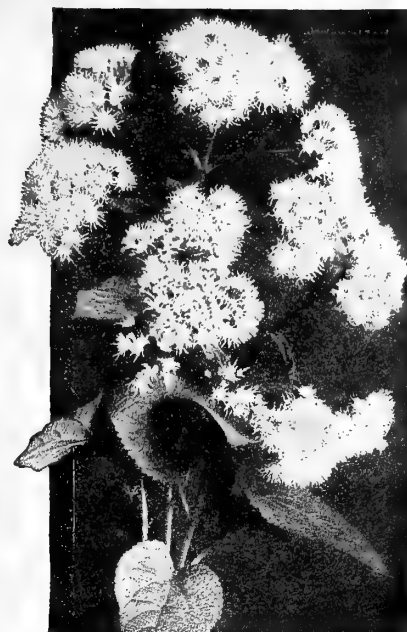
DELPHINIUM—Gold Medal Hybrids

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.	
CHIVES	Fine for seasoning				15c	\$1.50	Used for Culinary Purposes.	
CHRYSANTHEMUM								
Maximum (Type)	Shasta Daisy	June-July	White	2 ft.	20c	2.00	Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary fine flower, Mrs. Lothian Bell is also very fine.	
Mrs. Lothian Bell		June-July	White	3 ft.	20c	2.00		
King Edward VII		June-July	White	3 ft.	20c	2.00		
CIMICIFUGA								
Dahurica	Snake Root	July-Sept.	Creamy White	3 ft.	25c	2.50	Valuable border plants, on account of their late and long flowering period. Thrive well in shade. Simplex is a very showy flower.	
Simplex		Sept.	White	3 ft.	50c	5.00		
CLEMATIS								
Davidiana	Herbaceous Clematis	Aug-Sept.	Pale Blue	3 ft.	20c	2.00	A pendulous spreading plant bearing large numbers of pale blue bell-shaped flowers. Very attractive; must not be confused with the climbing clematis.	
COREOPSIS								
Lanceolata	Tickseed	May-Oct.	Yellow	2 ft.	15c	1.50	One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form. They are indispensable for cut flower purposes giving a continuous supply from early summer to autumn.	
Grandiflora		May-Oct.	Yellow	3 ft.	15c	1.50		
Rosea		June-Sept.	Pink	1 ft.	20c	2.00		
DAISY								
Mammoth Pink or White	English Bachelor's Button	All Summer	Pink or White	6 in.	10c	1.00	Indispensable for edging beds, borders or graves; will grow in any soil, but prefer a partially shaded position.	
DAISY (Shasta)—See Chrysanthemum Maximum								
DELPHINIUM								
Belladonna	Perennial Larkspur	May-Sept.	Sky Blue	2 ft.	25c	2.50	Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. There is also a great variety in the size and form of their individual blooms, some are single, some semi-double and some perfectly double. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers.	
Chiveden Beauty	New	June-July	Silvery Blue	3 ft.	25c	2.50		
Semi Plena	Semi Double	May-Sept.	Sky Blue	2 ft.	50c	5.00		
Chinense	Chinese	June-Aug.	Light Blue	3 ft.	15c	1.50		
Album		June-Aug.	White	3 ft.	15c	1.50		
Formosum		July-Sept.	White Eye	4 ft.	25c	2.50		
Coelestinum		July-Sept.	Pale Blue		20c	2.00		
Named Hybrids								
Capri		June-Aug.	Sky Blue	5 ft.	50c	5.00		
Lamartine		July-Aug.	Dark Blue	3 ft.	35c	3.50		
Moerheimi		July-Aug.	White	5 ft.	35c	3.50		
Mrs. Thompson		July-Aug.	Blue, White Eye	3 ft.	35c	3.50		
Vaughan's Gold Medal Hybrids		July-Aug.	Mixed	4 ft.	25c	2.50		
DIANTHUS								
Abbottsford	Hardy Garden Pink	May-Oct.	Pink	15 in.	20c	2.00	These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation. We would especially call attention to our improved Napoleon III which, although a dark red, produces large flowers on good, long, stiff stems and resembles a good dark red carnation. It is perfectly hardy and is better than any hardy carnation known.	
Plumarius Cyclops		May-June	Mixed	15 in.	20c	2.00		
Deltoides		May-Aug.	Rose	15 in.	20c	2.00		
Diadematus		June-Sept.	Mixed	12 in.	15c	1.50		
Latifolius Atro-Coccineus Plenus		May-June	Dbble. Fiery Crimson	15 in.	20c	2.00		
Lilac Queen		May-Oct.	Mauve	12 in.	20c	2.00		
Napoleon III Improved		May-Oct.	Dbble. Dark Red	2 ft.	20c	2.00		
Semperflorens Mixed		May-Aug.	Mixed	15 in.	15c	1.50		
DICTAMNUS								
Fraxinella	Gas Plant	June-July	Pink	3 ft.	25c	2.50	An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.	
DIELYTRA								
½Spectabilis	Bleeding Heart	May-June	Pink	2 ft.	20c	2.00	So-called from its drooping heart-shaped flowers; will thrive in any part of the hardy border; good for forcing in pots and planting in shady places; likes rich, sandy loam.	
DIGITALIS								
Gloxiniaeflora	Foxglove	July-Aug.	Pink, Purple, White or Mixed	4-5 ft.	15c	1.50	This old-fashioned summer flowering plant, commonly known as Foxglove, thrives in almost any soil under all conditions; makes a fine plant for the back of borders or grouping in beds; prefers a light, sandy loam.	
Grandiflora		July-Aug.	Yellow	4 ft.	15c	1.50		
Lanata		June-Aug.	Creamy White	2-3 ft.	15c	1.50		
Vaughan's Special Mixture		July-Aug.	Mixed	3-5 ft.	20c	2.00		

Weights of plants to go by Parcel Post are given on page 26.



DIGITALIS—(Foxglove)



EUPATORIUM AGERATOIDES



GALEGA HARTLANDI

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Dos.	Use, Soil, Position, Etc.
ECHINACEA Cone Flower—See Rudbeckia							
ECHINOPS	Globe Flower						
<i>Sphaerocephalus</i>		June-Aug.....	Bluish White	3 to 4 ft.	25c	\$2.50	Handsome border plants, bearing during summer peculiar thistle-like flower heads, which can be cut, dried and preserved for winter decoration.
ERIGERON	Flea Bane						
<i>Amos Perry</i>		June-Oct.....	Lavender Blue	1 ft.	35c	3.50	Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting. Amos Perry, is a new and much improved variety.
ERYNGIUM	Sea Holly						
<i>Amethystinum</i>		July-Sept.....	Steel Blue	2 to 3 ft.	20c	2.00	These are exceedingly pretty both in flower and foliage, and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration.
EUPATORIUM	Thorough Wort						
<i>Ageratoides</i>		Sept.-Oct.....	White	3 ft.	20c	2.00	Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
<i>Coelestinum</i>		Sept.-Oct.....	Light Blue	2 ft.	20c	2.00	
FUNKIA	Day Lily						
<i>Lanceolata</i>		August.....	Dark Blue	1 ft.	20c	2.00	Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. They will grow in any good, rich soil.
<i>Subcordata Grandiflora Alba</i>		Aug.-Sept.....	Pure White	1½ ft.	20c	2.00	
<i>Thomas Hogg</i>		Aug.-Sept.....	Rosy Purple	1½ ft.	25c	2.50	
GAILLARDIA	Blanket Flower						
<i>Grandiflora Mixed (Per 100, \$10.00)</i>		June-Oct.....	Mixed	1½ ft.	10c	1.00	Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer. One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.
GALEGA	Goat's Rue						
<i>Hartlandi, New</i>		June-July.....	Lilac and White	3 ft.	20c	2.00	Covered in summer with racemes of small, pea-shaped blossoms, greatly valued for cutting. This new form is far in advance of the old officinalis type, and should have a place in all hardy flower borders, and where cut flowers are in demand. Likes a rich, loamy soil.
GEUM	Avens						
<i>Mrs. Bradshaw</i>		June-Sept.....	Crimson	2 ft.	25c	2.50	An exceedingly attractive border plant, flowering during the whole summer and fall. The flowers are large and semi-double and last well in water when cut. Thrives in sun or partial shade.
GRASSES							
<i>Phalaris Arundinacea</i>	Gardener's Garters or						An old and popular hardy grass, used for naturalizing in the hardy garden, or for edgings and borders.
<i>Variegata</i>	Ribbon Grass		Variegated	1½ ft.	20c	2.00	
GYPSOPHILA							
<i>Paniculata</i>	Baby's Breath	July-Aug.....	White	1½ ft.	15c	1.50	Large graceful sprays of double white flowers; splendid for cutting.
HELENIUM	Sneezewort						
<i>Hoopesi</i>		May-July.....	Orange Yellow	2 ft.	25c	2.50	Blooming for a long period, are amongst the best of hardy flowers, affording a good quantity of cut-flowers which last a long while; they are worthy of extensive planting, and thrive in any soil and are good for specimens in border and covering back fences, also amongst shrubbery and the wild garden.
HELIANTHUS	Hardy Sunflower						
<i>Miss Mellish</i>		Sept.-Oct.....	Golden Yellow	6 ft.	20c	2.00	Hardy Perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands.
<i>Multiflorus Plenus</i> ...	Dahlia Sunflower	Aug.-Sept.....	Double Yellow	5 ft.	20c	2.00	
HELIOPSIS							
<i>Gratissima</i>		June-Aug.....	Double Yellow	2½ ft.	35c	3.50	A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent decorative cut flower.

The prices of 3 plants of a kind are given on page 26



GAILLARDIA



HELIANTHUS—Double



HEMEROCALLIS (Yellow Day Lily)

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
HELLEBORUS	Christmas Rose						
Niger.....		Winter.....	White.....	1 ft.....	35c	3.50	Flowers white, faintly tinged rose. If grown in cold frame, or under glass, will flower at Christmas, or earlier, flowers turning pure white.
HEMEROCALLIS	Yellow Day Lily						
Citrina.....		June-July.....	Lemon-Yellow.....	2-3 ft.....	50c	5.00	The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the water-side and like lots of moisture. Mixed with German Iris they are very effective.
Dumortieri.....		June-July.....	Rich Yellow.....	2 ft.....	20c	2.00	
Flava.....		July-Aug.....	Yellow.....	3 ft.....	20c	2.00	
Florham.....		July-Aug.....	Rich Yellow.....	3 ft.....	30c	3.00	
Thunbergi.....		July.....	Golden Yellow.....	4 ft.....	20c	2.00	
HEUCHERA	Alum Root						
§Brizoides Gracillima.....		May-June.....	Rosy Carmine.....	2 ft.....	25c	2.50	They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting.
§Nancy Perry.....		June-July.....	Coral Pink.....	1½ ft.....	25c	2.50	
HYPERICUM	St John's Wort						
Moserianum.....		July-Sept.....	Golden Yellow.....	3 ft.....	25c	2.50	A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups, the branches being literally laden down with them. A most desirable plant for sunny situations.
HIBISCUS	(Mallow Marvel) Plant in Spring						
Hollyhocks Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of color. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial.							
Double White, Pink, Rose, Yellow, Blood Red.....	Plant in Spring.						
Allegheny Mixed, semi-double and single....	Plant in Spring.						
Double Mixed Old Fashioned Single, mixed....	Plant in Spring						
Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz	Use, Soil, Position, Etc.
IBERIS	Hardy Candytuft						
Gibraltarica.....		April-May.....	Lilac Mauve.....	12 in.....	15c	1.50	Dwarf evergreen plants covered with blooms in Spring and during early Summer. Especially suited to border and rockwork and edging beds of late Tulips and Narcissi. Sempervirens is fine for edging shrubbery or borders and will thrive in any good soil.
§Sempervirens.....		April-May.....	White.....	10 in.....	20c	2.00	
INCARVILLEA	Hardy Gloxinia						
Delavayi.....		May-July.....	Rose Colored.....	2 ft.....	20c	2.00	Lovely Chinese plants for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in light sandy soil.
INULA	Flea Bane						
Glandulosa Grandiflora.....		June-Aug.....	Yellow.....	2½ ft.....	25c	2.50	Showy and highly decorative. Glandulosa is much prized for cutting, producing flowers two inches across of a peculiar formation like a giant yellow daisy.
LAVANDULA							
Vera.....	Lavender.....	June-Aug.....	Blue.....	2 ft.....	20c	2.00	Delightfully fragrant flowers, much used when dry on account of their sweet odor. We offer the true variety.
Spica.....	Common Lavender.....	Aug.....	Lilac.....	2 ft.....	20c	2.00	
LILY OF THE VALLEY Clumps		May-June.....	White.....	8 in.....	30c	3.00	Good for shade and under trees.
LINUM	Flax						
Perenne.....		June-Sept.....	Sky Blue.....	1½ ft.....	20c	2.00	A desirable plant for the border, with light, graceful foliage and blue flowers produced through the entire Summer if cut down after the first blooming.
Perenne Album.....		June-Sept.....	White.....	1½ ft.....	20c	2.00	

Hardy Perennials are the most satisfactory of all Flowers because of their permanent character and natural beauty.

Hardy Irises

Flag Iris or Fleur de Lis

EARLY AUTUMN PLANTING
IS ADVISABLE FOR
THESE IRIS

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. In colors there are the richest yellows, the most intense purples and delicate blues, the softest mauves and very beautiful claret-reds. There are also whites, and primroses, and bronzes of every imaginable shade—indeed, language fails us in picturing all the beauties of this flower, and our descriptions, in consequence, fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. Each, 20c; doz. \$2.00.

Alcazar. "S" Violet with bronze sheen; "F" rich crimson with lighter veins. A very rich and striking flower. Each, 75c.

Archbishop (Archeveque). (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. Each, 40c; doz., \$4.00.

Aureole. "S" Deep orange; "F" Reddish brown with white netted base. Each, 15c; doz., \$1.50.

Black Prince (Kochi Atropurpurea). "S" Purple lilac; "F" velvety black. A very striking dark flower. Each, 15c; doz., \$1.50.

Black Prince. (Barr.) "S" Soft purple lilac; "F" rich velvety black; large flower, free blooming. Each, \$2.00.

Candelabra. (New.) "S" Mauve and purple; "F" Violet, with white and black veins. Ea., 40c; doz., \$4.00.

Caprice. (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. Ea., 30c; doz., \$3.00.

Celeste. Fine satiny blue. One of the most beautiful of German Irises. Each, 25c; doz., \$2.50.

Charles Dickens. "S" Blue; "F" Blue, suffused dark purple. Each, 15c; doz., \$1.50; 100, \$8.00.

Cherubin. "S" Pale lilac; "F" Pale lilac, veined purple. Large charming flower.

Each, 50c; doz., \$5.00.

Crepuscul. "Standards" and "Falls" delicate violet purple, quite devoid of markings. Immense flowers on long stems, Early. Highly recommended. Each, 75c; doz., \$7.50.

Darius. "S" Primrose yellow; "F" Lilac and primrose. Each, 15c; doz., \$1.50.

Dorothea. (New.) An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veining. Very fine. Each, 20c; doz., \$2.00.

Dr. Bernice. (New.) "S" Coppery bronze; "F" Velvety crimson. Very handsome. Ea., 30c; doz. \$3.00.

Edith Cook. "S" Lemon yellow; "F" Velvety chestnut brown. Each, 15c; doz. \$1.50.

Edward Michell. (New.) Tall spikes of flowers splendidly shaped. "S" Broad; "F" Long and wide.

The whole flower is deep wine red. Each, \$1.00.

Eldorado. (New.) "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. Each, 50c; doz., \$5.00.

Fairy. Beautiful white with blue border and veining. Each, 20c; doz., \$2.00.

Florentina Alba. Large pure white fragrant flowers. Each, 15c; doz. \$1.50.

Froin. "Standards" and "Falls" pale canary yellow, merging to cream at base. Ea., 15c; doz., \$1.50.

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow. Each, 15c; doz. \$1.50.

Gertrude. Deep violet blue; very fragrant. Each, 20c; doz., \$2.00.

Gracchus. "S" Crimson, reticulated white, fine, early. Each, 15c; doz. \$1.50.

Hector. "S" Soft clouded yellow; "F" Velvety crimson. Each, 15c; doz., \$1.50; 100, \$8.00.

Heteranth. "S" Bright blue; "F" Deeper blue. Early. Each, 15c; doz., \$1.50; 100, \$8.00.

Honorabilis (Sans Souci). A most effective combination. "Standards" golden; "Falls" rich mahogany. Each, 15c; doz., \$1.50; 100, \$8.00.

INTERREGNA. Halfdan. Rich creamy yellow, very fine keeper. Each, 15c; doz. \$1.50.

Walhall. Petals rosy lavender above, delicate claret red below. Each, 25c; doz. \$2.50.

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Each, 60c; doz., \$6.00.

Jeanne d'Arc. (New.) Flowers large, sepals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. Each, 50c; doz., \$5.00.

Johan de Witt. "S" Pale lilac; "F" Violet purple, veined white. 2 ft. Each, 15c; doz. \$1.50.

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. Each, 25c; doz., \$2.50.

King of Iris. (New.) "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. Each, 40c; doz., \$4.00.

L'Avenir. A beautiful shade of satin blue. Each, 35c; doz., \$3.50.

Lohengrin. Large handsome silvery-mauve flowers. Each, 30c; doz., \$3.00.

Lord Salisbury. "S" Amber white; "F" Dark violet purple. Each, 15c; doz. \$1.50.

Lord Seymour. "S" White, veined violet, with lavender edge; "F" Milky white, margin veined violet. Very fine. Each, 30c; doz. \$3.00.

Lou Fuller. In our estimation, the best yellow; vigorous grower, free flowering. Clear pumpkin—yellow with a greenish sheen in the "Falls." Each, \$1.00.

Loreley. "S" Light Yellow; "F" Ultramarine blue, bordered cream. Each, 20c; doz., \$2.00.

Loute. "S" Light blue and heliotrope; "F" reddish purple and bronze. Flower of majestic proportions and striking color. Each, \$1.00.

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Each, 15c; doz., \$1.50; 100, \$8.00.

Mme. Pacquette. Bright rosy claret, early and beautiful. Sweet scented. Each, 30c; doz., \$3.00.

Maori King. "S" Golden Yellow; "F" Velvety maroon margined gold. Each, 30c; doz., \$3.00.

Mars. "S" Light yellow; "F" Pale yellow with violet blotches. Ea., 15c; doz., \$1.50; 100, \$8.00.

Minos. "S" Coppery bronze; "F" Deep claret, veined white. Each, 15c; doz. \$1.50.

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencillings at throat. A truly magnificent specimen. Each, 40c; doz., \$4.00.

Mrs. H. Darwin. "S" Clear waxy white; "F" White, violet veins. Ea., 15c; doz., \$1.50; 100, \$8.00.

Mrs. Newbrunner. A beautiful deep self-yellow. Very fine. Each, 25c; doz., \$2.50.

Nelly. "S" Blue; "F" clear white with blue veining and blotches. Each, 20c; doz. \$2.00.

Oriflamme. "S" light blue, "F" violet purple; extra fine large flower. Each, \$1.00.

Pallida Dalmatica. One of the most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Each, 30c; doz., \$3.00.

Pallida Mandralisae. Rich lavender-purple, large and handsome. Each, 30c; doz., \$3.00.

Parisiana. "S" A mottled lavender pink; "F" Creamy white bordered lavender pink. A very pleasing and delicate shade. Each, 60c; doz. \$6.00.

Peacock's Eye. "S" Olive yellow; "F" Brownish, shading to a clear yellow. Ea., 35c; doz., \$3.50.

Pharaon. "S" Lavender blue; "F" light violet, with lighter throat, deeply veined violet.

Each, 15c; doz. \$1.50.

Plicata. "S" Bright violet-purple; "F" Violet-purple, with lighter shadings. Each, 15c; doz. \$1.50.

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade. Each, 50c; doz., \$5.00.

Pres. Thiers. "S" Lavender blue; "F" Deeper blue, white pencillings. Each, 35c; doz., \$3.50.

Prosper Laugier. Deep velvety crimson, with deeply veined throat. "Falls" very broad. Highly recommended. Each, 30c; doz., \$3.00.

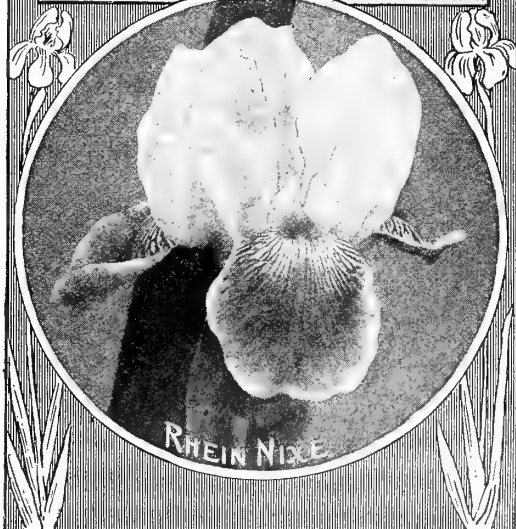
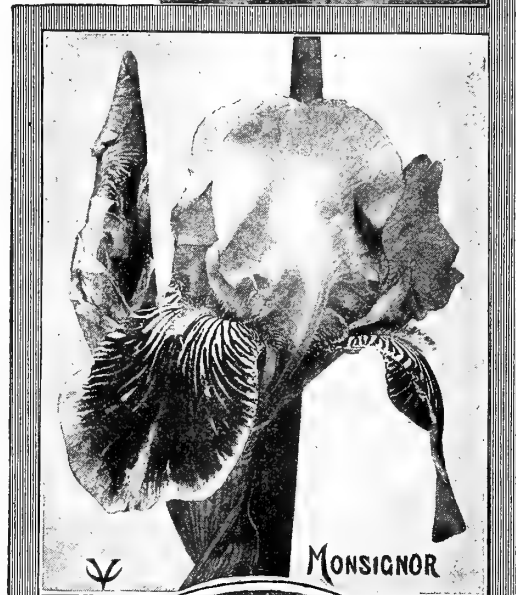
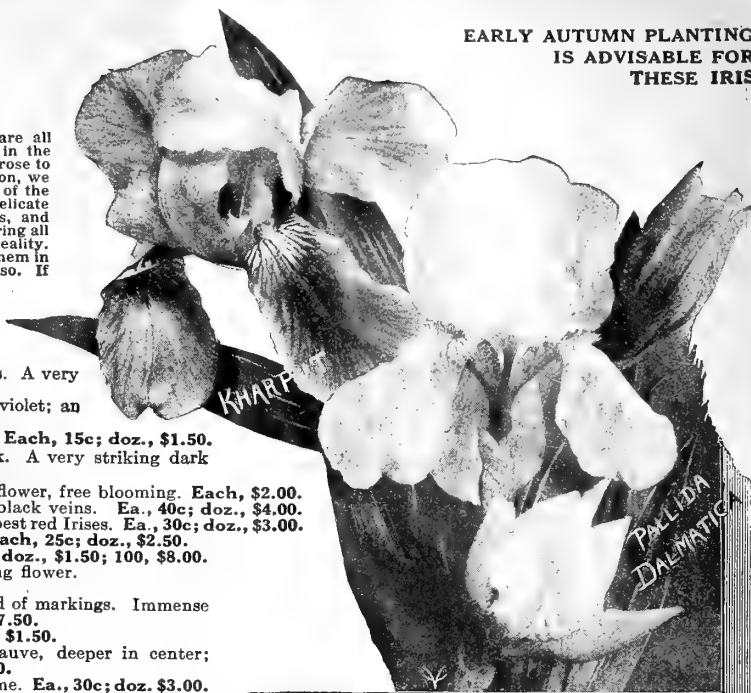
Queen of Gipseys. "S" Pale bronze or muddy lavender; "F" violet, with deep violet veins and golden beard. Each, 15c; doz. \$1.50.

Queen of May. "S" Lilac Pink; "F" Lilac, blended with white; distinct. Each, 25c; doz., \$2.50.

Rhein Nixe. (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Each, 30c; doz. \$3.00.

Sambucina. 30 inch. "S" Coppery rose; "F" Rosy purple and orange. Each, 15c; doz. \$1.50.

(Continued on next page)





MYOSOTIS (Forget-me-Not)



LOBELIA CARDINALIS



MERTENSIA VIRGINICA

HARDY IRIS—continued

Stenophylla. "S" Pale blue, indistinct stripes. "F" Darker. Tall.
Each, 15c; doz., \$1.50; 100, \$8.00.
Stormcloud (Nuee d'Orange). (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. Each, 75c; doz., \$7.50.
Tamerlane. (New.) "S" Pale violet; "F" Deep purple. Magnificent, tall, bold.
Each, \$1.00.
Trautlieb. "S" and "F" lovely uniform rose; very striking.
Each, 25c; doz., \$2.50.
Venus. "S" Lemon yellow, shading to golden yellow towards the base. "F"
Deeply veined with purple on a white ground.
Each, 15c; doz., \$1.50; 100, \$8.00.
Versicolor. Rich claret red, with white veinings. Each, 15c; doz., \$1.50.
Victorine. "S" White, flaked blue; "F" velvety violet. Each, 25c; doz. \$2.50.
Violacea Grandiflora. "Standards" and "Falls" clear violet blue. The best true blue. Each, 50c; doz. \$5.00.
GERMAN IRIS MIXED. Each, 10c; doz., \$1.00 (postpaid); (by express) per 100, \$5.00; per 1000, \$45.00. (25 at 100 rate, 250 at 1000 rate.)

"Bargain" Collections (Our Selection)

One each, 6 varieties (6 plants) 50c
Three each, 6 varieties (18 plants) \$1.35.
Six each, 6 varieties (36 plants) \$2.50.

ALL PREPAID

Iris Sibirica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. Each, 15c; doz., \$1.50.
Sanguinea. Brilliant blue.
Each, 20c; doz., \$2.00.
Snow Queen. Snow-white flowers borne on strong erect stems.
Each, 20c; doz., \$2.00.

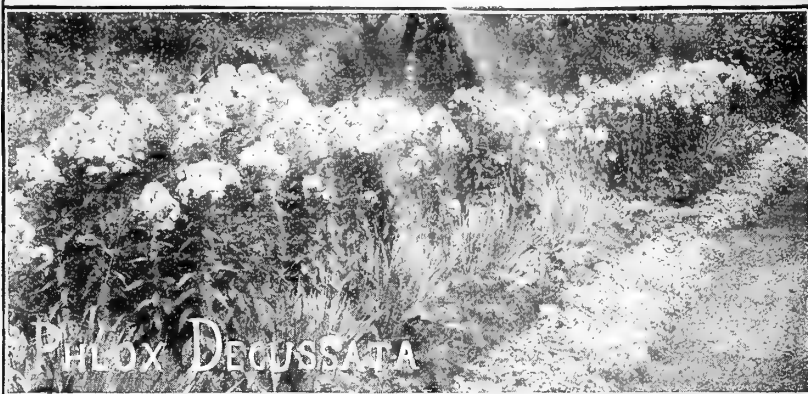
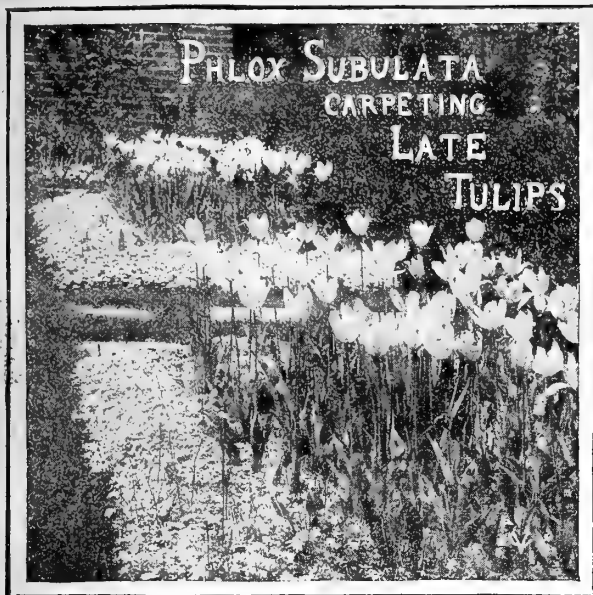
Iris Pumila Hybrida

DWARF variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker.
Each, 15c; doz., \$1.25; per 100, \$8.00.

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
LOBELIA	Cardinal Flower						
Cardinalis		July-Sept	Fiery Scarlet	2 ft.	20c	2.00	Deep, rich, moist soil is best. For the margins of ponds or damp border.
LYCHNIS	Campion						
Chalcedonica		June-Sept	Orange Scarlet	2-3 ft.	20c	2.00	Highly ornamental plants for summer, the taller kinds being valued for cut flowers and border plants; the dwarfier varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position.
Haageana	Maltese Cross	May-June	Orange Scarlet	1 ft.	20c	2.00	
Sieboldi		June-July	White	1 ft.	20c	2.00	
Splendens Plena	Double Catch Fly	June-July	Crimson	1 ft.	20c	2.00	The "Double Catch Fly" is a brilliant border plant, the flowers being produced in dense spikes.
LYSIMACHIA							
Numullaria	Creeping Jenny	June-Aug	Yellow	4 in.	20c	2.00	Effective in clumps or wild garden. Requires a moist situation. Numullaria is fine for banks, vases, beds, stumps or rockeries and can be used in hanging baskets.
LYTHRUM	Loosestrife						
Roseum	Perry's Variety	May-Sept	Reddish Purple	3 ft.	35c	3.50	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits it.
MERTENSIA	Blue Bells or Virginian Cowslip						
Virginica		May-June	Light Blue	18 in.	20c	2.00	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned			18 in.	15c	1.50	An old favorite, will grow anywhere.
MONARDA	Bergamot, Oswego Tea or						
Didyma	Bee Balm	June-Sept	Brilliant Scarlet	3 ft.	20c	2.00	Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
Hybrids		June-Sept	Mixed	2 ft.	20c	2.00	
MYOSOTIS Alpestris	Forget-me-not						
Victoria		May-Aug	Deep Blue	6 in.	15c	1.50	The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Make excellent edgings and carpeting planted with late-flowering tulips.
NEPETA							
Mussini		May-Sept	Light Blue	1 ft.	20c	2.00	These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.
OENOTHERA	Evening Primrose						
Macrocarpa		June-Sept	Yellow	6 in.	20c	2.00	Showy and easily grown on all soils; useful in wild garden and border; make good plants for front of border. Macrocarpa is a beautiful variety with prostrate stems bearing immense yellow flowers during July and August.
Eldorado		May-Aug	Golden Yellow	2 ft.	20c	2.00	

OLD MAN See Artemisia

Note remarks on "Plants and Bulbs for Spring Effect," page 26.



Vaughan's Hardy Phlox Phlox Decussata

THIS is one of the most useful flowers for summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in fall may be expected.

The blue, lavender, and orange colored ones should be planted in semi-shade, as the sun is apt to bleach out the colors in a short time.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early	(D) Dwarf	Our prices are for one-year field-grown plants.
(2) Mid-season	(M) Medium	
(3) Late	(T) Tall	
At \$1.50 per dozen, price per 100 is ..	(except where noted) .. \$10.00	25 of any variety supplied at these rates.
At \$2.00 per dozen, price per 100 is ..	.. \$14.00
At \$2.50 per dozen, price per 100 is ..	.. \$18.00

- Antonin Mercie.** (M. 2.) A beautiful grayish lilac with white center. Each, 15c; doz., \$1.50; per 100, \$10.00.
- Bridesmaid.** (D. 2.) Pure white, large crimson-carmine eye. Each, 15c; doz., \$1.50; per 100, \$10.00.
- Crespuscule.** (M. 2.) Large cherry red center, edged pale violet pink. Each 20c; doz., \$2.00.
- Elizabeth Campbell.** (D. 2.) Bright salmon pink with lighter shadings and dark crimson eye. One of the best. Each, 25c; doz., \$2.50; per 100, \$15.00.
- Europa.** (T. 2.) White, distinct carmine eye, large flower. Each, 25c; doz., \$2.50; 100, \$15.00.
- Fraulein von Lassberg.** (T. 2.) The purest snow-white in cultivation. Extra fine. Each, 20c; doz., \$2.00; 100, \$12.00.
- G. A. Strohlein.** (M. 2.) Glowing orange scarlet with blood-red eye. Immense heads. Each, 20c; doz., \$2.00.
- Gloire de Maroc.** Deep violet, with large crimson eye. almost a violet-blue. Large flowers in immense trusses. Each, 20c; doz., \$2.00; per 100, \$12.00.
- Jeanne d'Arc.** (T. 3.) Fine pure white. A fine late flowering variety. Each, 15c; doz., \$1.50; per 100, \$10.00.
- Le Mahdi.** A metallic bluish-violet color having fine large truss, a prolific bloomer. One of the very best of its color. Each, 20c; doz., \$2.00.
- Maculata Alpha.** (Suffruticosa.) Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. Each, 15c; doz., \$1.50; 100, \$10.00.
- Miss Lingard.** (T. 1.) (Suffruticosa.) Pure white; the earliest of all. Blooms all summer. good for cut flowers. Each, 20c; doz. \$2.00; per 100, \$12.00.
- Mrs. Jenkins.** A very free flowering early variety of medium height producing immense panicles of pure white flowers. Each, 15c; doz., \$1.50; per 100, \$10.00.
- Pantheon.** (T. 2.) Deep salmon rose. Each, 20c; doz., \$2.00; 100, \$12.00.
- Rhynstrom.** Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free-flowering. Each, 20c; doz., \$2.00; 100, \$12.00.
- Tapis Blanc.** (D. 1.) Pure white; immense heads. Each, 25c; doz., \$2.50.
- Widar.** (M. 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. Each, 25c; doz. \$2.50.
- MIXED.**—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Each, 10c; doz.; \$1.00; per 100, \$6.00; by express only.
- SPECIAL OFFER No. 33A.**—One each of 10 varieties, our selection from above. All distinctly labelled for \$1.50 by express, not prepaid.

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 in. Each, 15c; doz., \$1.50; per 100, \$10.00.

Subulata Rosea. Same as above but with dainty rose pink flowers. This and Alba are fine for graves. Each, 15c; doz., \$1.50; per 100, \$10.00.

The Phloxes marked (2) are useful for planting as borders or carpeting to Late-flowering Tulips.

Phlox Arendsi

THIS is a very desirable and beautiful class growing to a height of from 12 to 24 inches; flowers in May, very lasting, and excellent for perennial borders and shrubberies.

Amanda. 15 in. high, well branched. Flowers of medium size, early; lavender with dark center. A splendid bedder.

Each, 35c; doz., \$3.50.

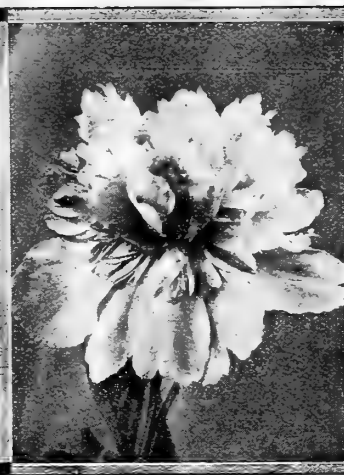
Luise. Height about 24 in. Color of flower pale lilac with carmine eye. Price, each, 35c; doz., \$3.50.



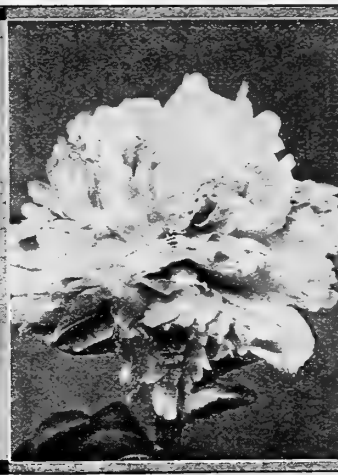
ELIZABETH CAMPBELL



MARGUERITE GERARD



FLORAL TREASURE



MME. DE GALHAU



LA TULIPE

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Planting. Peonies may be planted in the fall from the 2nd or 3rd week in August until frost, and in spring as soon as the frost is out of the ground. **Early fall** planting is advisable, so that the plants may make new roots before frost sets in. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. **Full cultural directions are sent with each order.** We offer three sizes, viz:—**Divided roots**, 3 to 5 eyes. **Medium roots**, 5 eyes and up. **Large roots**, 4 to 5 year old clumps, 8 eyes and up.

D—Divided. **M**—Medium. **L**—Large Roots.

White and Light Varieties

- X Albatre.** Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Midseason. **D, 60c; M, \$1.00; L, \$1.50.**
- Avalanche.** Large globe-shaped bloom similar to the preceding, but not as early. **D, 75c; M, \$1.00; L, \$1.50.**
- Baroness Schroeder.** Large globular rose type. Flesh pink changing to white. Vigorous and free bloomer. A first-rate flower. **D, \$1.50; M, \$2.00.**
- Carnea Triumphans.** Guards and crown pale pink, collar amber-white, fragrant. Midseason. **D, 50c; M, 75c.**
- Charlemagne.** Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. **D, 50c; M, 75c; L, \$1.00.**
- Couronne D'Or.** Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **D, 50c; M, 85c; L, \$1.25.**
- X Duchesse de Nemours (Calot).** Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **D, 40c; M, 75c; L, \$1.25.**
- Duchess of Teck.** Flowers very large, creamy white, with carmine spots in the center. Late, very healthy and free blooming. One of the best cut-flower varieties. **D, 50c.**
- Festiva (Drop White).** Large, full, rose-shaped bloom, creamy white, flecked with carmine. Fine late variety. **D, 50c; M, 75c.**
- Festiva Maxima.** The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. **D, 35c; M, 60c; L, \$1.25.**
- Jeanne d'Arc.** Very similar to "Golden Harvest," but larger, and finer. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **D, 50c; M, 75c; L, \$1.25.**
- La Rosiere.** Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. **D, 60c; M, 85c; L, \$1.25.**
- La Tulipe.** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. **D, 50c; M, 75c; L, \$1.25.**
- X Madame Breon.** Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. **D, 50c; M, 85c; L, \$1.00.**
- Madame de Vetry.** Large, compact high crown. Guards and crown lilac white, with sulphur white collar. Fragrant; medium height; midseason. **D, 60c; M, 85c; L, \$1.25.**
- Madame de Verneville.** Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable for all purposes. **D, 60c; M, 85c; L, \$1.25.**
- Marie Lemoine.** Delicate ivory white; solid massive blooms of extra size; very late. **D, 50c; M, 75c; L, \$1.25.**

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.

White and Light Varieties—Cont.

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. **D, 75c; M, \$1.00.**

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **D, 30c; M, 50c; L, \$1.00.**

Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bomb; rosy-white flecked crimson. Very fragrant, tall free bloomer. Late. **D, 80c; M, \$1.25.**

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **D, 60c; M, 85c; L, \$1.25.**

Claire Dubois (Crousse). One of the very largest peonies. Very full compact and globular; rose-type flower. Color, soft light satiny-pink. Fragrant **X** and rather late. **D, \$1.00; M, \$1.50.**

Delicatissima. Large rose type. Pale lilac-rose. Fragrant. Very strong, tall grower, fine habit, free bloomer. Extra good keeper and shipper. Midseason. **D, 40c.**

Duchesse de Nemours (Guerin). Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety. **D, 60c; M, 85c.**

Edulis Superba. Bright mauve pink collar mixed with lilac; fragrant; strong upright stems, free bloomer, early, one of the best pinks. **D, 40c; M, 60c; L, \$1.25.**

Eugenie Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. We can conscientiously recommend this as one of the best Peonies in cultivation. **D, 60c; M, 85c; L, \$1.25.**

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **D, 35c; M, 65c; L, \$1.00.**

X Floral Treasure. Color pale lilac rose, large and showy; midseason, extra good, one of the best commercial blooms. **D, 60c; M, 85c; L, \$1.25.**

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. **D, 40c; M, 60c.**

Kohinoor. Shell pink, very free, splendid cut flower. Midseason. **D, 40c; M, 65c; L, \$1.00.**

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. **D, 45c; M, 65c.**

X Livingstone. Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. **D, \$1.00; M, \$1.25; L, \$1.75.**

Madame de Galhau. Large and full curved bloom with closely set petals. Soft glossy, flesh-pink petals, bordered silvery-pink. **D, 40c; M, 65c.**

X Madame Emile Galle. Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **D, \$1.00, M, \$1.50.**

Madam Ducl. Enormous, globular and compact bloom. Literally packed with petals, which are somewhat incurved like chrysanthemums. A brilliant shade of pink with silvery reflex. Holds its form and color to the end. Fragrant, early midseason bloomer. **D, 60c.**



MME. DE VERNEVILLE

FELIX CROUSSE

OFFICINALIS RUBRA PLENA

LIVINGSTONE

Vaughan's Peonies

Light and Dark Pink, and Rose—Cont.

- X Madame Emile Lemoine.** Large globular, compact, semi-rose type. Milk-white. Medium height. **D, \$1.25.**
- Madame Forel.** Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, 50c; M, 75c; L, \$1.50.**
- Madame Geissler.** One of the largest Peonies, very double globular. Imbricated, massive and imposing. Color, a glossy silvery rose, shading to Bengal-rose at base of petals. Delicious fragrance. An abundant mid-summer bloomer. One of the best cut-flower sorts. **D, 75c; M, \$1.00.**
- Marguerite Gerard.** Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea pink, fading to nearly white, central petals **X** flecked dark carmine. A free, late. Extra. **D, \$1.00; M, \$1.50; L, \$2.00.**
- Marie Stuart.** Medium size crown. Guards and crown pale pink, creamy, white collar. Fragrant. **D, \$1.00; M, \$1.50.**
- Modeste Guerin.** Very large bomb-shape, full and compact. Superb soferino red. Very free-flowering and fragrant. Exceptionally strong rigid stems. Midseason. An extra good variety. **D, 50c; M, 75c; L, \$1.25.**
- Monsieur Jules Elie.** Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, 75c; M, \$1.00; L, \$1.50.**
- Noemi Demay.** Flowers very large, flesh with silver shade. One of the best early flowering peonies. **D, 50c.**
- President Taft.** (New). Exquisite shade of lilac-pink with carmine center. Very large cup-shaped blooms. There is no better pink of this shade in our entire collection. **D, \$1.25; M, \$2.00.**
- Prolifera Tricolor.** Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. **D, 50c; M, 75c; L, \$1.00.**
- Pulcherrima.** Outside petals flesh, center pink. Very large and borne on long strong stems. **D, 35c; M, 50c; L, \$1.00.**
- Sarah Bernhardt.** Guard petals silvery rose, center amber, tinged salmon. Exceedingly early and very beautiful. **D, \$2.00.**
- Souvenir de G. Calot.** Very large bloom, satiny pink, shaded glossy soft lilac. **D, 60c; M, 85c; L, \$1.25.**
- Souvenir de l'Exposition Universelle.** Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. **D, 65c; M, 85c.**
- Thorbeckii.** Deep rose pink; of fine form; lighter in center. Medium dwarf habit. **D, 35c; M, 60c.**
- Triomphe de l'Exposition de Lille.** Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. **D, 60c; M, 85c; L, \$1.25.**

Red and Crimson Sorts

- Agida.** Bright red, semi double. Very fine free blooming late variety. **D, 50c; M, 75c.**
- Andre Lauries.** Large, very compact, globular rose type. Dark rose, with deeper center, and silvery reflex. Medium tall. **D, 45c; M, 60c; L, \$1.25.**
- Augustin d'Hour.** Large, bomb-shaped flower, dark brilliant soferino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. **X D, 60c; M, 90c; L, \$1.50.**
- Berlioz.** A charming flower, carmine rose, tipped silvery-white. Tall, free-flowering. Late midseason. **D, 45c.**
- Delachei.** A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. **D, 45c; M, 60c; L, \$1.25.**
- Felix Crousse.** Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. **D, 60c; M, \$1.00; L, \$1.50.**
- General Davoust.** Large globular flowers; carmine shaded amaranth. **D, \$1.00.**
- Gloire de Douai.** Large flower of a glowing rich crimson. **D, 60c; M, 85c.**

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Red and Crimson Sorts—Cont.

- Karl Rosenfield.** Very large flower, globular semi-rose type. Extremely vigorous grower, tall, and free-flowering. As an early red, it has no equal. **D, \$3.00.**
- La Grange.** This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, 50c; M, 85c; L, \$1.25.**
- Louis Van Houtte.** Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. **D, 50c; M, 75c.**
- Madame Le Bon.** Late; very large; color, brilliant cerise-red with silvery reflex. Extra. **D, 50c; M, 75c.**
- Marechal Vaillant (Grandiflora Rubra.)** Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. **D, 75c; M, \$1.00.**
- Meissonier.** Broad outer petals, brilliant purple amaranth, inner petals crimson, free bloomer. **D, 50c; M, 85c; L, \$1.00.**
- X M. Barral.** Fine pink; very large and double. Strong stem. Late. **D, 75c; M, \$1.00; L, \$1.50.**
- M. Krelage.** Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, 75c; M, \$1.00; L, \$1.50.**
- M. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. **X** Free bloomer. Midseason. **D, \$3.50.**
- Monsieur Paul Du Ribert.** Large, medium, loose, bomb type. Uniform deep carmine-rose. Fragrant. Medium height, free bloomer. Late. **D, 60c.**
- Officinalis Rubra Plena.** This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. **D, 35c; M, 60c.**
- President Roosevelt.** Fine full bloom, color very brilliant red. **D, 50c; M, 80.**
- Tenuifolia Fl., Pl.** Dazzling crimson-red, double flowers, the foliage being finely cut giving it a feathery appearance; the earliest of all Peonies. Best planted in total or semi-shade. **D, 60c.**

Unnamed Peonies

- Double White, Pink and Red.** **D, 25c; M, 50c; L, \$1.00.**
- Japanese Tree,** 3 year old plants, 3 colors, each **\$1.25.**

Various Peonies

- Single Unnamed.**
- Single Crimson,** divided roots, each **50c.**
 - Single Pink,** divided roots, each **50c.**
 - Single White,** divided roots, each **75c.**
- Single Named.**
- Areos.** Single, delicate soft pink in bud, fading to white when open, a very pretty variety and a free bloomer. **D, 50c.**
 - Emily.** Medium size. Violet-rose. Double row of petals. Medium tall. **D, 50c.**
 - Prince Bismarck.** Single beautiful crimson, showy yellow stamens. Free and long blooming variety. **D, 75c; M, \$1.00.**

Discount on Peonies

Orders amounting to over \$5.00 and less than \$10.00 are subject to **10 per cent discount** for cash.

Orders over \$10.00 and less than \$15.00 are subject to **12 per cent discount** for cash.

All orders of \$15.00 and over are subject to **15 per cent discount** for cash.

Our collections of Peonies and Hardy Irises comprise the finest varieties in commerce.
Plant these in September for best results.



PHYSOSTEGIA VIRGINICA



ICELAND POPPY



PLATYCODON

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
PACHYSANDRA							
<i>Terminalis</i>		May	White	4-6 in.	20c	2.00	Small whitish flowers in May, which are insignificant deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.
PAPAVER	Poppy		White, Yellow				
<i>Nudicaule</i>	Iceland Poppy	June-Oct.	and Orange	1 ft.	20c	2.00	The Iceland Poppy is a gem from the Arctic regions. It is a hardy dwarf grower, showing a profusion of delicately shaded little blossoms that are exquisite for edging the border. It blooms all Summer and is a valuable and lovely flower for vases.
<i>Nudicaule</i>		June-Oct.	Mixed, all colors	1 ft.	20c	2.00	
<i>Royal Scarlet</i>		June-Oct.	Scarlet	1 ft.	20c	2.00	
PENTSTEMON	Beard's Tongue						
<i>Barbatus Torreyi</i> (Chelone)		June-Aug.	Brilliant Scarlet	3 ft.	20c	2.00	These graceful plants bearing long spikes of flowers are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
<i>Digitalis</i>		June-July	Purple White	2 ft.	20c	2.00	
PHYSOSTEGIA	False Dragon Head						
<i>Virginica</i>		June-Sept.	Soft Pink	3-4 ft.	20c	2.00	Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
<i>Alba</i>		June-Sept.	Pure White	2 ft.	20c	2.00	
PLATYCODON	Balloon Flower						
<i>Grandiflora</i>		May-Sept.	Deep Blue	18 in.	15c	1.50	Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
<i>Alba</i>		May-Sept.	White	18 in.	15c	1.50	
POLYGONATUM	Solomon's Seal						
<i>Giganteum</i>		June-July	White	2-3 ft.	20c	2.00	A very desirable plant for shade and woodland, or bordering shrubs. The flowers are white, faintly shaded green, and hang in twos and threes from the under side of the leaf stem. The leaves have a graceful drooping habit like a fern frond.
PYRETHRUM							
<i>Single and Double Mixed</i>		June		18 in.	25c	2.50	These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color, ranging from pure white to the most intense scarlet and crimson, and are perfectly hardy, delighting in a cool, moist soil.
<i>Uliginosum</i>	Giant Daisy	Sept-Oct.	White	5 ft.	20c	2.00	
RANUNCULUS	Buttercup						
<i>Repens fl., pl.</i>		May-June	Double Yellow	1-2 ft.	20c	2.00	A showy plant bearing rosettes of double yellow button like flowers during May and June. Likes a shady or partial shady situation in rich soil.
ROSMARINUS							
<i>Officinalis</i>	Rosemary		Lavender	2 ft.	20c	2.00	Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
RUDBECKIA	Cone Flower						
<i>Laciniata fl. pl.</i>	Golden Glow	July-Oct.	Yellow	5-7 ft.	20c	2.00	The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the <i>Purpurea</i> for its wine-red color.
<i>Purpurea</i>	Purple Cone Flower (See Echinacea)						
SALVIA							
<i>Azurea Grandiflora</i>		Aug.-Oct.	Sky Blue	3 ft.	25c	2.50	Beautiful plants, with long spikes of tubular blue flowers. Leaves of <i>Officinalis</i> used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.
<i>Pitcheri</i>	Meadow Sage	Sept.-Oct.	Deep Blue	3½ ft.	25c	2.50	
<i>Officinalis</i>	Common Sage				20c	2.00	
SCABIOSA	Mourning Bride						
<i>Caucasica</i>		June-Sept.	Pale Blue	18 in.	25c	2.50	Useful border plants blooming freely all summer; much prized for cutting and massing in old-fashioned gardens; succeeds best in light loam with plenty of sun.
<i>Alba</i>		June-Sept.	White	18 in.	25c	2.50	

A special leaflet on "Hardy Plants" given free with every order of \$1.00 or more, if asked for when ordering.



STATICE



YUCCA FILAMENTOSA

SWEET WILLIAM (*Dianthus Barbatus*)

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
SEDUM							
§Acre	Golden Moss	May-June	Bright Yellow	3 in.	20c	2.00	Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.
Brilliant		June-July	Scarlet	6 in.	25c	2.50	
Spectabile	Brilliant Stone-crop	July-Aug.	Rose Color	18 in.	20c	2.00	
Latifolium Atropurpureum		July-Aug.	Bright Crimson	18 in.	25c	2.50	
Rubrum		June-Aug.	Brilliant Red	6 in.	20c	2.00	
SOLIDAGO							
	Golden Rod						Native plants of the easiest culture, graceful panicles of golden yellow flowers invaluable for cutting.
Canadensis		Sept.-Oct.	Rich Yellow	4 ft.	20c	2.00	
SPIRAEA							
	Goats' Beard or Meadow Sweet						Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of Venusta are a handsome sight when in full bloom.
Filipendula Fl. Pl.	Dropwort	June-July	Double White	18 in.	25c	2.50	
Lobata Venusta	Queen of the Prairie	June-Aug.	Pink	3 ft.	25c	2.50	
STATICE							
	Sea Lavender						Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
Latifolia		July-Sept.	Lavender	2 ft.	20c	2.00	
STOKESIA							
	Stokes' Aster						Produces showy Cornflower-like flowers from 4-5 inches across; succeeding in any open position. It is of the easiest culture and is exceedingly attractive in the border or open beds.
Cyanea		July-Oct.	Pale Blue	18 in.	20c	2.00	
Alba		July-Oct.	White	18 in.	20c	2.00	
SWEET WILLIAM (<i>Dianthus Barbatus</i>)							
Diadematus		June-Oct.	Mixed	2 ft.	15c	1.50	The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow it to perfection.
Johnson's Giant		June-Oct.	Mixed, extra fine	2 ft.	15c	1.50	
Nigrescens		June-Oct.	Crimson Black	2 ft.	15c	1.50	
Scarlet Beauty		June-Oct.	Bright Scarlet	2 ft.	15c	1.50	
THALICTRUM							
	Meadow Rue						These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Diptercarpum is a beautiful and rare plant bearing light sprays of lilac flowers.
Adiantifolium		June-Aug.	Yellow	8 in.	25c	2.50	
Diptercarpum		Aug.-Sept.	Lilac Mauve	4 ft.	35c	3.50	
THYMUS Vulgaris							
	Thyme			12 in.	20c	2.00	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TRILLIUM							
	Wake Robin						One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white. Per 100, \$6.00; Per 1000, \$45.00.
§Grandiflorum		May-June	White	12 in.	10c	.85	
TRITOMA—Plant in Spring							
TROLLIUS							
	Globe Flower						Beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situations with heavy soil.
§Asiaticus Fl. Pl. Croceo		May-June	Dark Orange	18 in.	25c	2.50	
Europaeus Superbus		May-June	Yellow	2 ft.	25c	2.50	
Japonicus Excelsior		May-June	Orange	2 ft.	25c	2.50	
VALERIANA							
	Garden Heliotrope						These are pretty border plants, easily grown and very useful for cutting. The large flat flower heads, when in full bloom, literally cover the plant. Coccinea makes a good rock plant where plenty of room can be given it.
Coccinea		June-Oct.	Red	2 ft.	20c	2.00	
Officinalis		July-Aug.	Pink	5 ft.	20c	2.00	
VERONICA							
	Speedwell						Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.
Spicata		July-Aug.	Bright Blue	18 in.	20c	2.00	
VINCA							
	Green Myrtle	June	Blue	4 in.	15c	1.50	Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live; they soon make a carpet.
Argentea Variegata		June	Blue	4 in.	25c	2.50	
VIOLA							
	Violet						Should be planted in every garden, thrives well in partial shade, and is prized for the sweetness of the blossom. Cucullata is the hooded variety, native of the Northern States.
Cucullata		May-June	Blue	6 in.	10c	1.00	
Odorata		May-June	Blue	6 in.	20c	2.00	
YUCCA Filamentosa							
	Adam's Needle	June-July	Pure White	4-5 ft.			A charming plant to group in the hardy flower border, cemetery or as specimens on the lawn.
Price. Strong 2 yr. plants at 25c each, \$2.50 per doz.; 3 yr. plants at 35c each; doz., \$3.50.							

Salvia Pitcheri is an Excellent Blue Flower for Autumn Effect.

Ornamental and Flowering Shrubs

BEFORE PLANTING



Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street, the continuation of East Boulevard.

SHIPPING DIRECTIONS. Shrub orders amounting to \$5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 3 and 12 of a kind.					
Each	3 for	Dozen	Each	3 for	Dozen
20c.....	\$0.50.....	\$2.00	60c.....	\$1.70.....	\$6.60
25c.....	.65.....	2.50	65c.....	1.85.....	7.20
30c.....	.80.....	3.00	70c.....	2.00.....	7.50
35c.....	1.00.....	3.50	75c.....	2.15.....	8.00
40c.....	1.10.....	4.00	80c.....	2.25.....	8.50
45c.....	1.25.....	4.50	85c.....	2.40.....	9.00
50c.....	1.40.....	5.00	90c.....	2.50.....	9.50
			\$1.00.....	2.90.....	11.00

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

 No Trees, Shrubs or other perishable stock are sent C. O. D.

THE planting of shrubs, or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their brightest colored leaves, to be followed by the red berries of many during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions for grouping, for all sites and purposes.

Our landscape department is at the disposal of all who contemplate extensive changes, or laying out new grounds. Free advice is given, and plans submitted for a nominal fee.

Fall Planting may be commenced about Oct. 15, and continued until frost. Early planting, however, is best.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

AFTER PLANTING



IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ACER Atro-purpureum (Japanese Purple-leaved Maple)

ALMOND, DOUBLE-FLOWERING (B)

ALTHEA FRUTEX (Rose of Sharon) (A)

Plant in Spring

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., 40c.

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, 40c; 3-year bushy, 50c.

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, 40c; 3-year, 50c.

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

Maximowiczii. (A.) A remarkable small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems. 2 to 3 ft., 40c.

Pentaphylla. (B.) A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c.

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., 50c; 4 to 5 ft., 75c; 5 to 6 ft., \$1.00; 8 to 10 ft. Specimens, \$1.50.

AZALEA MOLLIS (C) Plant in spring

BERBERIS (Barberry)

Hardy shrubs with thorny branches, thriving in almost any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.

Heteropoda. A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucous bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparatively recent introduction. 2 to 2½ ft., extra bushy, 75c.

Illicifolia. (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 15 to 18 in., 75c; 2 ft., bushy, \$1.00; 2½ ft., bushy, \$1.25. These prices are for stock with ball of earth and burlapped.

Japonica. In a general way this resembles the Thunbergii, which is ordinarily called Japanese Barberry, but grows taller than the latter, colors up better in fall, and it is especially recommended for winter effect on account of its beautiful red, rusty-brown bark. We recommend this variety. 12 to 15 in., 25c; 1½ to 2 ft., 35c; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c.

Thunbergii. (Japanese Barberry). (B.) One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
1-year.....	10 to 12 in. (1000, \$25.00) ..	\$0.15	\$0.40	\$1.25	\$ 8.00
2-year.....	15 to 18 in. (1000, \$40.00) ..	.20	.50	2.00	10.00
3-year.....	18 to 24 in. ....	.30	.80	3.00	20.00
4-year, bushy .....		.40	1.10	4.00	25.00
5-year, extra bushy .....		.60	2.00		
5-year Specimens		1.00	2.90	11.00	60.00

Vulgaris. (European Barberry). (B.) A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., bushy, 25c; per 100, \$20.00; 2 to 3 ft., bushy, 40c; per 100, \$30.00; 3 to 4 ft., bushy, 50c.

BERBERIS—Continued

Vulgaris Purpurea. (Purple-leaved Barberry). (B). Especially remarkable for purple foliage and fruit. When fully grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. Endures partial shade and is perfectly hardy.
1½ to 2 ft., 25c; 2 to 3 ft., 40c; 3 feet extra bushy, 50c.

Buddleya Variabilis Veitchiana (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Plant in Spring.

Calycanthus Floridus (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 1½ to 2 ft., extra bushy, 40c; 2 to 3 ft., extra bushy, 50c.

Ceanothus Americanus (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June. One of the best shrubs for growing in shady places.
1 ft., bushy, 40c; 15 to 18 in., 60c.

Cephalanthus Occidentalis (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 1½ to 2 ft., bushy, 45c; 3 to 4 ft., 60c.

Cerasus (Flowering Cherry) (A)

Padus (Bird Cherry) Bears dense panicles of white flowers in early spring—a very picturesque shrub. 3 to 4 ft., 50c; 5 to 6 ft., Specimens, 75c.

Serotina (Wild Black Cherry). A shrub or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 3 to 4 ft., 50c; 5 to 6 ft., Specimens, 75c.

**Bechtel's Double-Flowering Crab****Chionanthus Virginica (White Fringe Tree) (A)**

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 1½ to 2 ft., 50c; 2 to 3 ft., 60c.

Clethra Alnifolia (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., bushy, 50c; 2 to 3 ft., bushy, 60c.

Corchorus (Kerria) (B)**(The Globe Flower or Japanese Rose)**

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, 50c.

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower. A valuable dwarf shrub. 1½ ft., bushy, 50c.

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, 50c.

Cornus (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and water side planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., 50c; 3 to 4 ft., 75c.

**Berberis Thunbergii****Cornus—Continued**

Mascula. (Cornelian Cherry). (B). One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries.

1½ to 2 ft., 35c; 2 to 3 ft., bushy, 50c; 3 ft., extra bushy, 75c.

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., bushy, 45c; 3 to 4 ft., bushy, 60c; 4 to 5 ft., 75c; 5 to 6 ft., Specimens, \$1.00.

Sericea. (Silky Dogwood) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October.

3 to 4 ft., bushy, 60c.
Sibirica. (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy.

Height	Each	Three	Doz.	100
1½-2 ft.	\$0.30	\$0.80	\$3.00	\$20.00
2-3 ft. bushy	.40	1.10	4.20	30.00
3-4 ft. extra bushy	.50	1.40	5.40	...
4-5 ft. " "	.60	1.70	6.60	40.00
Specimens 5-6 ft. " "	.75	2.10	8.00	...
Seedlings, 6 to 7 ft.	1.00	...	10.00	...

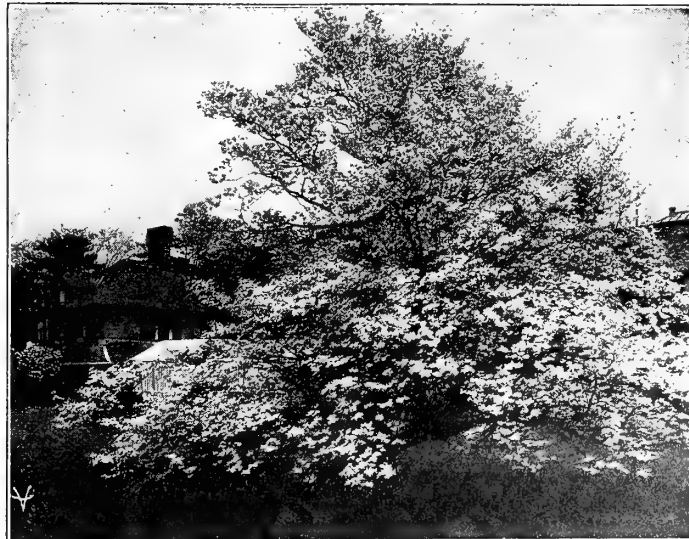
Stolonifera. (Red Osier Dogwood). May. Spreading habit; dark red bark and white berries. A very hardy shrub. 1½ to 2 ft., 35c; 2 to 3 ft., bushy, 45c; 3 to 4 ft., extra bushy, 60c; 4 to 5 ft., extra bushy, 75c.

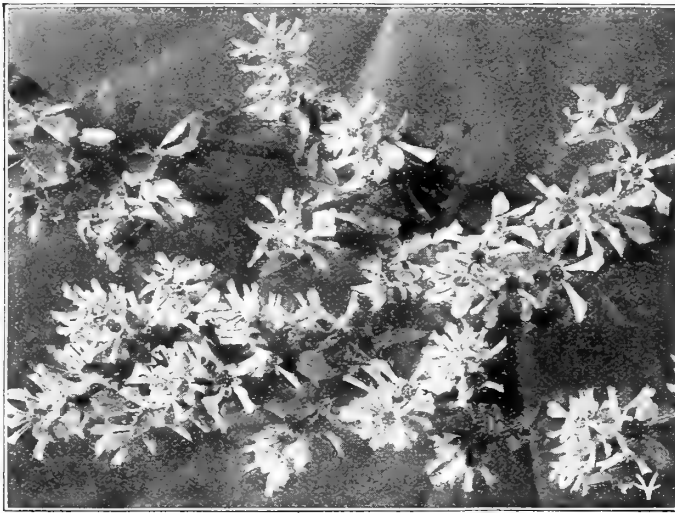
Stolonifera Aurea. (Golden-twigg'd Osier) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 60c.

Crab (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., extra fine, \$1.00; 4 to 5 ft., extra fine, \$1.75; 5 ft., Specimens, \$3.00; 6 ft., Specimens, \$4.00. (See also *Malus Floribunda*.)

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

**Cornus (Dogwood)**



FORSYTHIA INTERMEDIA

CRATAEGUS (Hawthorn)

Crus Gallii. (Hawthorn) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 2 to 3 ft., bushy, 50c; 3 to 4 ft., extra bushy, 75c; 4 to 5 ft., extra bushy, 85c.

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, 35c; per 100, \$25.00; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c; 4 to 5 ft., Specimens, 75c.

Cardinalis. (B.) Beautiful brilliant Cardinal red. 2 to 3 ft. bushy, 50c; 3 to 4 ft., extra bushy, 75c.

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 12 to 18 in., 50c; 1½ to 2 ft., 60c; 2 to 3 ft., 75c; 4 to 5 ft., \$1.00.

Nivalis. (Snow Pearl). A handsome tree, with its silvery foliage and masses of white blossoms in spring. 12 to 18 in., 35c; 2 to 3 ft., bushy, 50c; 3 to 4 ft., 75c.

Rubra Grandiflora. Deep crimson flowers, with very showy fruit, 1½ to 2 ft., 50c; 2 to 3 ft., 60c; 3 to 4 ft., bushy, 75c.

Simonii. (Sand Pear). A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ to 2 ft., bushy, 45c.

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 12 to 18 in., 30c; 2 to 3 ft., bushy, 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 75c.

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, 40c.

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 12 to 15 in., 35c; 1½ ft., extra bushy, 40c.



DEUTZIA CRENATA

DEUTZIA—Continued

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1½ to 2 ft., 35c; 4 ft. Specimens, 75c.

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 1½ to 2 ft., bushy, 30c; 3 to 4 ft. bushy, 50c; 4 to 5 ft. Specimens, 60c.

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

ELEAGNUS (Silver Thorn)

Angustifolia. (Russian Olive) (B.) A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 1½ to 2 ft., 30c; 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., extra bushy, 60c; 6 to 7 ft., Specimens, 75c.

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush) (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 3 to 4 ft., \$1.50; 4 to 5 ft., extra bushy, \$2.00; 5 to 6 ft. Specimens, \$3.00; 6 to 7 ft., Specimens, \$6.00.

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 1½ to 2 ft., 35c; 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c; 5 to 6 ft. Specimens, \$1.00; 6 to 7 ft., Specimens, \$1.50.

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 1½ to 2 ft., 40c; 2 to 3 ft., bushy, 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c.

**FORSYTHIA****(Golden Bell)**

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia) (B.) A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 2 to 3 ft., bushy, 30c; 3 to 4 ft., bushy, 50c; 6 ft., Specimens, 75c.

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., bushy, 35c; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c; 4 to 5 feet Specimens, 75c.

Suspensa. (The Weeping Forsythia) (B.) A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 60c.

Viridissima. (B.) A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in Spring, 4 to 5 ft., bushy, 50c.

GUELDER ROSE. See Viburnum Sterilis.

CLETHRA ALNIFOLIA

2 to 3 ft., bushy, 30c; 3 to 4 ft., bushy, 50c; 6 ft., Specimens, 75c.

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., bushy, 35c; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c; 4 to 5 feet Specimens, 75c.

Suspensa. (The Weeping Forsythia) (B.) A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 60c.

Viridissima. (B.) A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in Spring, 4 to 5 ft., bushy, 50c.

GUELDER ROSE. See Viburnum Sterilis.

GLEDITSCHIA (Honey Locust) (B)

Triacanthos. (Three-thorned Gleditschia). A rapid growing native tree, with powerful spines and delicate foliage. Used for hedges. 2 to 3 ft., 45c; 3 to 4 ft., 50c each.

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft., 75c.

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn; 1½ to 2 ft., 30c; 2 to 3 ft., 40c; 3 to 4 ft., 45c.

HYDRANGEA**ARBORESCENS GRANDIFLORA "SNOWBALL" (C)**

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than *Paniculata Grandiflora* (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, 40c; 3-yr., extra bushy, 50c.

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, 40c; 3 year, 50c.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.		Each	Three	Doz.
2-year, heavy	35c	\$1 00	\$3 50	4-year, heavy	50c	\$1 40	\$5 00
3-year, "	45c	1 25	4 50	4-year Specimens	60c	1 70	6 00

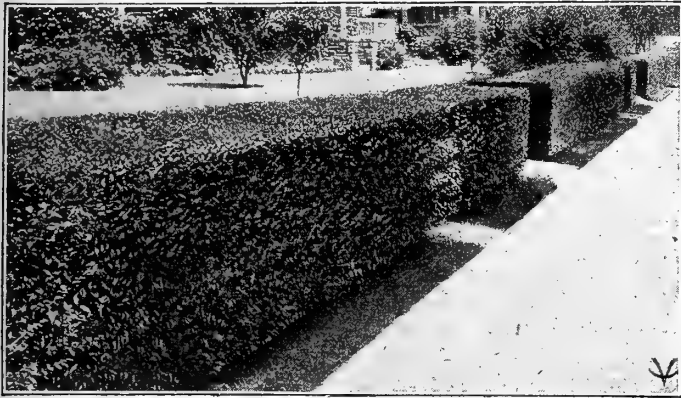
(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 2½ to 3 ft. stems, 75c.

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Ciliatum Small Japanese shrub with pointed elliptical leaves, white flowers followed by black berries the size of a pea. 2 to 3 ft. bushy, 35c; per 100, \$20.00; 3 to 4 ft. extra bushy, 50c; per 100, \$30.00.

**PRIVET HEDGE**

Ligustrum Amurense. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
1½ ft., bushy	\$0.25	\$0.65	\$2.40	\$15.00
1½ to 2 ft., bushy	.30	.80	3.00	20.00
2 to 3 ft., extra bushy	.35	.90	3.50	22.50
3 to 4 ft., extra bushy	.40	1.10	4.20	25.00
4 ft. Specimens	.50		5.00	

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

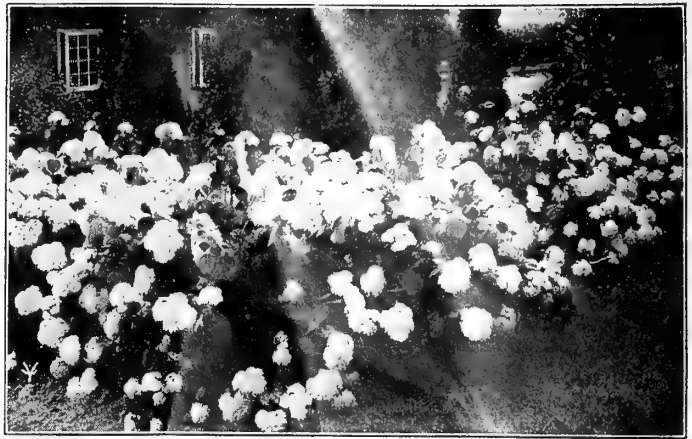
Height	Each	Three	Doz.	100
12 to 18 in.	\$0.20	\$0.50	\$1.80	\$12.00
18 to 24 in.	.25	.65	2.40	15.00
2 to 3 ft., bushy	.35	1.00	3.50	20.00
3 to 4 ft., extra bushy	.40	1.10	4.00	30.00
4 ft. Specimens	.45			
5 ft. Specimens	.50			

Ovalifolium. (Californian Privet.) (B.) Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. Those residing in Southern states should use it. (Best planted in Spring.)

Regelianum. (Prostrate Privet.) (B) This beautiful race of Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twigg, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 2 to 3 ft., bushy, 35c; per 100, \$20.00; 3 to 4 ft., 40c.

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 to 18 in., extra bushy	\$0.20	\$0.50	\$1.80	\$12.00
1½ to 2 ft., bushy	.25	.65	2.40	15.00
3 to 4 ft., bushy	.40	1.10	4.20	30.00
4 to 5 ft. Specimens, ex. bushy	.50			

**HYDRANGEA—"Snowball"****LILAC (True Syringa) (B)**

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft., 50c; 3 to 4 ft., 60c each.

Bertha Dammann. Magnificent pure white flowers. 1½ to 2 ft., 35c; 3 to 4 ft., 60c each.

Belle de Nancy. Large spikes of very double flowers of a lovely, pure pink color. 1½ to 2 ft., 50c; 2 to 3 ft., 75c.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 1½ to 2 ft., 40c each; 2 to 3 ft., extra bushy, 50c; 3 to 4 ft., extra bushy, 60c.

Congo. Large spikes, with beautiful, dark red flowers. 1½ to 2 ft., 50c.

Crampel. Large trusses and flowers of pale lavender blue. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

Doyen Keteleer. Very large pale lavender spikes. Very fine. 1½ to 2 ft., 75c each.

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, blooms in June. 2 to 3 ft., 60c.

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 4 to 5 ft., 75c; 3 ft., Standards, 75c; 4 ft., Standards, 85c.

Jeanne d'Arc. Large panicles of pure white flowers. 2 to 3 ft., 75c.

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

Jules Ferry. An exceedingly pretty Lilac with rosy-carmine buds, opening silvery mauve. 1½ to 2 ft., 75c.

Le Gaulois. 1½ to 2 ft., 50c.

Leon Gambetta. Large, full pyramidal spikes of pure purple, opening pale mauve. 2 to 3 ft., \$1.00.

Mad. Casimir-Perier. This is the best, double white lilac; immense, compact spikes of double white flowers. 1½ to 2 ft., \$1.00.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 1½ to 2 ft., 35c; 2 to 3 ft., 45c; 3 to 4 ft., 60c; 4 to 5 ft. Specimens, 75c.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., 35c; 2 to 3 ft., bushy, 45c; 3 to 4 ft., extra bushy, 60c; 4 to 5 ft., 75c.

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., bushy, 60c.

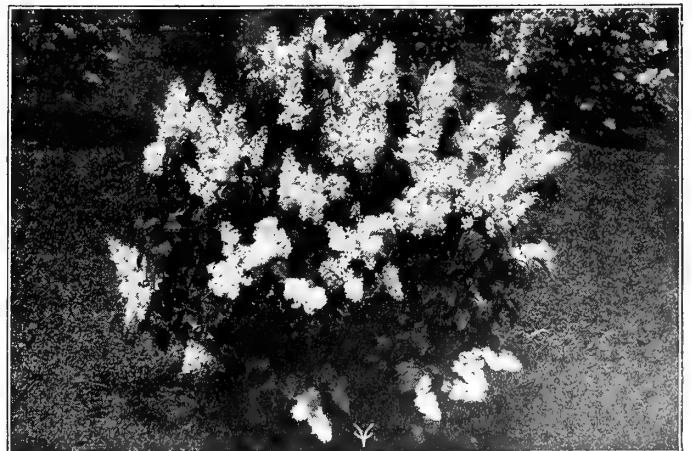
Othello. Single, dark purplish red, large graceful panicles. 1½ to 2 ft., 50c.

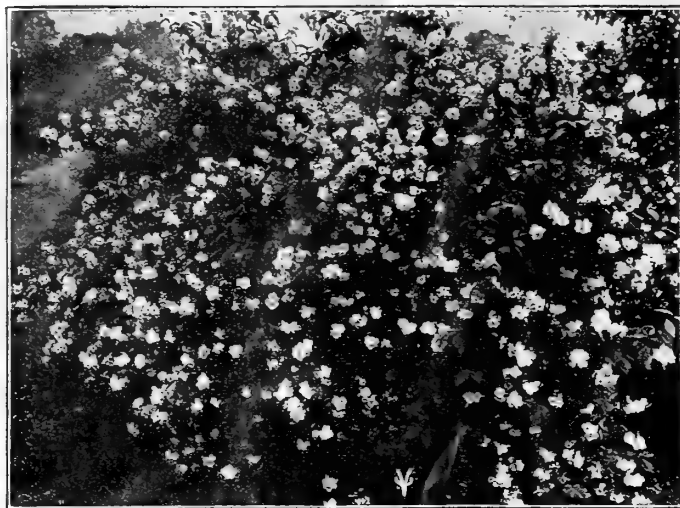
Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., bushy, 45c; 3 to 4 ft., 60c; 4 to 5 ft., extra bushy, 75c.

President Grevy. Flowers double, large handsome blue trusses. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Rothomagensis. (Rouen Lilac.) (M.) May. Has arching branches and large, loose, reddish purple flower-plumes that are variable in color. The narrow leaves differ from those of any other lilac. 1½ to 2 ft., 35c; 2 to 3 ft., bushy, 45c; 3 to 4 ft., 60c.

(continued on next page)

**LILAC—Marie Legraye**



PHILADELPHUS GRANDIFLORUS

LILACS—Continued

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., bushy, 40c each; 3 to 4 ft., bushy, 50c; 4 to 5 ft., extra bushy, 75c; 5 to 6 ft. Specimens, \$1.00.

Souvenir de Ludwig Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 1½ to 2 ft., 50c; 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Toussaint l'Ouverture. Single, very deep purple flowers. 1½ to 2 ft., 50c.

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
12 to 18 inches	\$.20	\$0.50	\$1.80	\$12.00
2 to 3 ft.	.35	1.00	3.60	25.00
3 to 4 ft.	.45	1.25	4.80	38.00
4 to 5 ft., extra bushy	.60	1.70	6.00	40.00
5 to 6 ft. Specimens	.75			

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes, 2 to 3 ft., 40c each; 3 to 4 ft., 45c; 4 to 5 ft., extra bushy, 60c; 5 to 6 ft., extra bushy, \$1.00; 6 ft., Specimens, \$1.50.

Villosa. A distinct late variety; large panicles of rosy pink flowers. The foliage resembles that of the Chionanthus bush. 1½ to 2 ft., 35c; 2 to 3 ft., 50c; 3 to 4 ft., 60c.

Waldeck Rousseau. Fine double flowers of a pale rosy lilac. 1½ to 2 ft., 75c; 2 to 3 ft., \$1.00.

LILACS ON OWN ROOTS

These are hardier and usually live longer than the budded stock. Scarce.

Charles X. the best purple lilac; **Marie Legraye**, **President Grevy**, **Souvenir de Ludwig Spaeth.** 2 to 3 ft., \$1.25 each.

LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2 yr. 50c.

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Well adapted for rock-gardens. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

Bella Albida. An abundance of white flowers, followed by scarlet fruit in great profusion that hang on a long while; fine. 1½ to 2 ft., 35c.

Bella Candida. A fine variety, producing fruit of red color in great profusion. 4 to 5 ft., bushy, 60c.

Morrowii. (Japanese Bush Honeysuckle) (B.) A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 1 to 1½ ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c.

Tartarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) (B.) 2 to 3 ft., 30c; 3 to 4 ft., 40c; 4 to 5 ft., 50c.

Tartarica Rosea (Pink Tartarian) (B.) 2 to 3 ft., 30c; 3 to 4 ft., 40c; 4 to 5 ft., 50c.

Virginalis Alba. White flowers, resembling T. Alba. 3 to 4 ft., 40c.

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over.

Barbarum. 2 year, 30c; 3 year, 40c.

MAGNOLIA. Plant in Spring.

MAHONIA

Aquifolium (Holly-leaved Barberry or Oregon Grape). A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 2 year, balled and burlapped, 75c 3 year, balled and burlapped, \$1.00.

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Coronaria (Wild Crab-Apple). A small tree or bush with unfolding spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. Tree Form. 3 to 4 ft., 75c; 4 to 5 ft., \$1.00; 5 to 6 ft., \$1.25.

Floribunda (Flowering Crab). Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 3 to 4 ft., 60c; 4 to 5 ft., 85c; 5 to 6 ft. specimens, \$1.00.

Atro-sanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 3 to 4 ft., 60c; 4 to 5 ft., 85c; 5 to 6 ft. specimens, \$1.00.

Spectabilis Fl. Albo Pleno. Chinese Double White Flowered Crab. 3 to 4 ft., 40c; 5 to 6 ft., 60c; 6 to 7 ft., \$1.00.

Spectabilis Flore Pleno. Double Pink Chinese Crab; a beautiful lawn specimen in May. 3 to 4 ft., 40c; 4 to 5 ft., 60c; 5 to 6 ft., 75c.

Niedzwetskiana. Handsome pinkish white flowers, grand variety. 3 to 4 ft., 75c; 4 to 5 ft., 80c; 5 to 6 ft. specimens, \$1.00.

Schiedeackeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 3 to 4 ft. 60c; 4 to 5 ft., 85c.

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

Tartarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 1 to 1½ ft., 20c; per 100, \$10.00; 1½ to 2 ft., 25c; per 100, \$15.00; 2 to 3 ft., 30c; per 100, \$18.00; 3 to 4 ft., 35c; 4 to 5 ft., 40c; 5 to 6 ft., 45c.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, each, 50c.

Bouquet Blanc. Double or semi-double flowers; very floriferous. 1 to 1½ ft., 35c; 1½ to 2 ft., bushy, 40c; 2 to 3 ft., 45c; 3 to 4 ft. bushy, 50c.

Coronarius Aureus (Golden leaved Mock Orange). Much prized for its bright effect. 12 to 18 in., 35c; 1½ to 2 ft., bushy, 50c; 2 ft., extra bushy, 60c.

Coronarius Fl. Pl. (A.) Covered with sweet-scented double white flowers in June. 2 to 3 ft., bushy, 35c.

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 1½ to 2 ft., extra bushy, 50c; 2 to 3 ft., extra bushy, 60c.

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., 25c; 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 60c; 5 to 6 ft., bushy, 75c.

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., bushy, 50c; 3 to 4 ft., 60c.

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 2 to 3 ft., bushy, 75c.

PRIVET. See Ligustrum.

PRUNUS (Plum)Ornamental and Flowering Varieties.

BURBANK'S OTHELLO PLUM. (Purple-leaved Plum.) The white flowers appear early in spring before the leaves and literally cover the tree. The foliage is deep crimson purple, lighter on the under side of leaves, holds well into the fall, forming a grand contrast with the lighter tints of other shrubs. It is very similar to Prunus Pissardi, but much hardier. 4 to 5 ft., \$1.00; 5 to 6 ft., \$1.25.

Pissardi (A.) (Purple-leaved Plum.) A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Spinosa (Blackthorn, Irish Shillelagh). White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., bushy, 40c.

Tomentosa. (B.) This shrub covers itself in early spring with pink blossoms and in early fall it produces an abundance of red cherry-like fruit, edible by man and beast, and much sought after by birds. 3 to 4 ft. bushy, 60c; 4 to 5 ft., 75c.

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. Bush form, 2 to 3 ft., 50c; 3 to 4 ft., bushy, 75c; 4 ft. specimens, \$1.00. Tree form, 4 ft. stem, \$1.00; 4 to 5 ft., \$1.25; 6 ft. stem, \$2.00.

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., 30c; 3 to 4 ft., 40c; 5 to 6 ft., 50c; 6 to 7 ft., Specimens, 75c.

RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils, and are not adverse to partial shade.

Catharticus (A.) A fine, robust shrub, with dark green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., each, 30c; per 100, \$20.00; 3 to 4 ft., 35c; 4 to 5 ft., 50c; 6 to 7 ft. Specimens, 75c.

Frangula (Alder Buckthorn.) (B.) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., bushy, each, 40c; 3 to 4 ft., bushy, 50c.

RHUS (Sumach)

Aromatica (Fragrant Sumach) (C.) A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in Autumn. 2 to 2½ ft., 40c.

Copallina (Dwarf or Shining Sumach) (D.) Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., 50c.

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Cotinus Atropurpurea. A shrub of striking beauty with purple leaves, which form a fitting background for the clouds of flower spikes. 1½ to 2 ft., 35c.

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 2 to 3 ft., 25c; 3 to 4 ft., 35c; 4 to 5 ft., 40c.

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 2 to 3 ft., 25c; 3 to 4 ft., 35c; 4 to 5 ft., 50.

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., 30c; 3 to 4 ft., 45c.

RIBES OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 1½ to 2 ft., extra bushy, 35c; 2 to 3 ft., extra bushy, 50c.

Aureum (Yellow-flowering, or Missouri Currant) (B.) A native shrub with glabrous shining leaves and yellow sweet-scented flowers in June. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 40c.

ROBINIA (Acacia)

Hispida (Hairy Locust). A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., 50c; 2 to 3 ft., 75c.

Pseud-acacia (False Locust). A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., 20c; 4 to 5 ft., 25c; 5 to 6 ft., 35c. For larger sizes see **Shade Trees**.

ROSA (Rose)

Blanda. (Meadow Rose). Pink flowers followed by red berries. Very ornamental in winter. 2 yr., 30c; 3 yr., 35c.

Carolina. Very similar to above. 2 yr., 30c; 3 yr., 35c; 4 yr., 50c.

Lucida. Single bright pink flowers, with bright red bark and berries in winter. 2 yr., 30c; 3 yr., 35c.

Rubiginosa. (True English Sweet Briar). This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., 30c; 3 yr., 35c.

**SPIRAEA OPULIFOLIA****SPIRAEA—Anthony Waterer****ROSA—Continued.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2 yr., bushy, 30c; 3 yr., bushy, 35c; 4 yr., bushy, 50c.

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 2 yr., 30c.

Setigera. (Prairie Rose) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 2 yr., 30c; 3 yr., 35c; 4 yr., 50c.

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Britzensis. (Golden Russian Willow). Short trunk, dense growth of golden yellow branches; leaves silvery white. 1½ to 2 ft., 25c; 3 to 4 ft., 30c; 5 to 6 ft., 35c; 6 to 7 ft., 50c; 7 to 8 ft., Specimens, 60c.

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 2 to 3 ft., 30c; 3 to 4 ft., 35c; 4 to 5 ft., extra bushy, 40c.

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark-green leaves; admirable for sea shore and narrow streets. 4 to 5 ft., 50c; 5 to 6 ft., 60c; 6 to 7 ft., 75c.

Viminalis (Common Osier). Very vigorous; red bark. This is the best willow for tying. 3 to 4 ft., 25c; 4 to 5 ft., 30c; 6 to 7 ft., 50c.

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for water-side and border planting.

Nigra. (The Black Elder). A valuable dense shrub for screens or background. 2 to 3 ft., 35c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 50c; 5 to 6 ft., Specimens, 75c.

Nigra Laciniata. (Cut-leaved Elder). The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Racemosa. Attractive red berries in summer. 2 to 3 ft., 35c; 3 to 4 ft., 40c; 5 to 6 ft., 60c.

SHAD BUSH. See Amelanchier. **SNOWBERRY.** See Symphoricarpos.

SILVER THORN. See Eleagnus, **SWEET BRIAR.** See Rosa Rubiginosa.

SMOKE TREE. See Rhus Cotinus. **SWEET SHRUB.** See Calycanthus.

SNOWBALLS. See Viburnum.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., extra bushy, 35c; 1½ ft., extra bushy, 40c.

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 1 to 1½ ft., extra bushy, 30c; 2 to 3 ft., extra bushy, 40c; 3 to 4 ft., extra bushy, 60c; 4 to 5 ft., Specimens, \$1.00.

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 3 to 4 ft., 50c; 4 to 5 ft., 60c.

Bumalda. A bushy plant with good foliage and abundance of rose pink flat flower heads. Desirable as an edging for shrubberies. 1 to 1½ ft., 40c; 1½ to 2 ft., bushy, 50c.

Bumalda Walluf. Very similar in habit to the preceding. 12 to 18 in., 35c.



SPIRAEA—Van Houttei

SPIRAEA—Continued

- Callosa Alba.** (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1 to 1½ ft., bushy, 40c.
- Callosa Froebelii Variegata.** A variegated leaved, free-flowering variety, flowers rose. 1½ to 2 ft., bushy, 50c.
- Callosa Rubra.** (Fortune's Spiraea.) (D.) Has large panicles of deep rosy blossoms, grows freely and blooms nearly all summer. 1½ to 2 ft., bushy, 50c; 2 to 3 ft., extra bushy, 60c.
- Opulifolia.** (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places, 2 to 3 ft., extra bushy, 35c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., extra bushy, 60c; 5 to 6 ft., Specimens, 75c; 6 to 7 ft., Specimens, \$1.00.
- Opulifolia aurea.** (Golden-leaved Nine Bark.) (B.) Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., 35c.
- Prunifolia Fl. Pl.** (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 to 3 ft., 40c; 3 to 4 ft., 50c.
- Sorbilolia.** (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 2 to 3 ft., 35c; 3 to 4 ft., 50c.
- Thunbergii.** (Thunberg's Spiraea.) (B.) Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow. 1½ to 2 ft., bushy, 30c; 2 to 3 ft., extra bushy, 50c; 4 ft., Specimens, \$1.00.
- Van Houttei** (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1 to 1½ ft.	\$0.25	\$0.65	\$2.40	\$12.00
1½ to 2 ft. ....	.35	1.00	3.60	16.00
2 to 3 ft. ....	.40	1.10	4.00	25.00
3 ft. bushy.....	.50	1.40	5.40	30.00
3-4 ft. ....	.60	1.70	6.50	45.00
4-5 ft. extra bushy	.75	2.50	8.00	.....

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground. 1½ to 2 ft., extra bushy, 40c.

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Racemosus. (Snowberry.) (B.) A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 1½ to 2 ft., 30c; bushy, 35c; 3 to 4 ft., extra bushy, 50c.

Vulgaris. (Coral-Berry or Indian Currant.) (B.) A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, 30c; 3 to 4 ft., bushy, 35c.



WEIGELIA ROSEA

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubby borders, and valuable for seaside.

Amurensis. A splendid new hardy variety, with silky pink tassels; flowers all summer. 1½ to 2 ft., 30c; 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 60c; 5 to 6 ft., 75c.

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 1½ to 2 ft., 35c; 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 75c.

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

Carlesii. A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 12 to 18 ins., extra bushy, \$1.00; 2½ ft., extra bushy, \$1.50 (balled and burlapped).

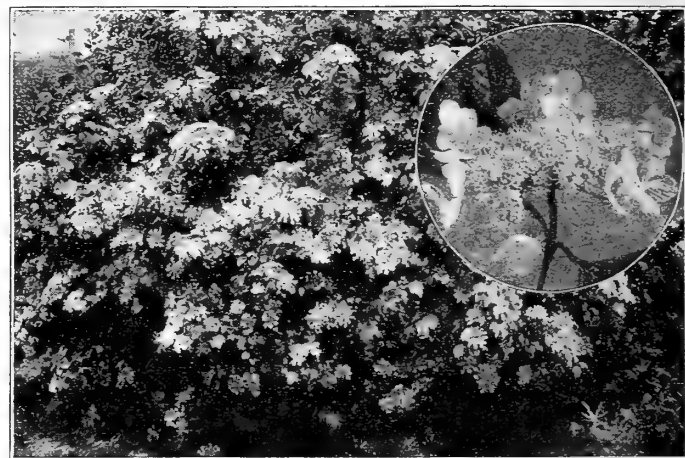
Dentatum. (Arrow Wood.) (B.) May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., Specimens, 75c; 5 to 6 ft., Specimens, \$1.00.

Lantana. (Early white Lantana-leaved Viburnum.) (A.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 1½ to 2 ft., extra bushy, 35c; 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., Specimens, 75c.

Lentago. (Sheep Berry.) Bright green leaves and yellowish white flowers—deliciously scented; black oval berries. 3 to 4 ft., 50c; 5 to 6 ft., 75c.

Molle. (Glossy Viburnum.) A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., 40c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., extra bushy, 75c.

Opulus. (High Bush Cranberry.) (A.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 1½ to 2 ft., 30c; 2 to 3 ft., bushy, 35c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., extra bushy, 75c; 5 to 6 ft., Specimens, \$1.00.



VIBURNUM OPULUS

Plicatum. (Japanese Snowball.) The old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 feet high. Blossoms in early June, being covered with large balls of flowers as white as snow. 2 to 3 feet, bushy, 35c; 3 to 4 feet, bushy, 50c.

Pyrifolium. (Pear-Leaved V.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., 50c; 3 to 4 ft., bushy, 60c.

Sterilis. (Old Fashioned Snowball.) Too well known to require description. 1½ to 2 ft., 30c; 2 to 3 ft., bushy, each 35c.

Tomentosum. (B.) The single form of the beautiful Japan Snowball. Flowers pure white, in great profusion early in June. Perfectly hardy vigorous and free-blooming; very desirable. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 1½ to 2 ft., 30c; 2 to 3 ft., 40c; 3 to 4 ft., extra bushy, 50c.

Candida. White Weigelia, flowering throughout the summer. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelas. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Floribunda. Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 50c.

XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender pinacles of white flowers that are blotched with yellow and red. Valued for solitary planting. 2 year, 40c.

WILLOW. See Salix.

WITCH HAZEL. See Hamamelis.

Some of the American Elms bordering the main drive through our Nurseries. Note the straight, clean stems 4 to 6 inch caliper and shapely, well-furnished heads.

Ornamental Trees

At our Nurseries, Western Springs, Ill., we have one of the largest and finest collections of Shade and Ornamental Trees in the Middle west. We wish space in this book would allow us to reproduce a picture of every variety and size that we have from the large blocks of Elms, Maples, Poplars, etc., etc., to the matured and shapely 20 and 30 ft. specimens, perfect beauties for the lawns and drives of the finest estates. We cordially invite landscape gardeners, and owners and superintendents of private grounds to come and inspect our stock, make selections, and we will reserve such stock for shipment at the proper time.

All trees 12 feet high or over must be shipped by freight. For other shipping instructions see page 38. Our Nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.) two blocks south of 47th Street on the continuation of East Boulevard. Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 3 to 4 ft., 25c; 4 to 5 ft., 35c; 5 to 6 ft., 45c; 10 to 12 ft., 2½ in. cal., \$2.50; 10 to 12 ft., 3 in. cal., \$3.00; 10 to 12 ft., 4 in. cal., \$4.00; 4½ in. cal., \$5.00; 12 to 14 ft., 5 in. cal., \$6.00 to \$8.00.

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 10 to 12 ft. 2½ inch cal., \$3.00; 3 inch cal., \$4.00; 10 to 12 ft., 4 in. cal., \$5.00.

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 3 to 4 ft., 25c; 4 to 5 ft., 35c; 5 to 6 ft., 45c; 10 to 12 ft., \$1.75; 12 ft., 2 in. cal., \$2.00; 12 ft. 2½ in. cal., \$2.50; 12 ft., 3 in. cal., \$3.00; 12 ft. 4 in. cal., \$4.00 each.

BIRCH (Betula)—Plant in Spring.

BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., \$1.25; 12 to 14 ft., 3 to 3½ in. cal. \$5.00; 12 to 14 ft., 4 in. cal. \$6.00.

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 ft. clear stem, \$2.50; 5 ft. 3 yr. heads, \$3.00; 6 ft. 2 yr. heads, \$3.25; 6 ft. stem, 3 yr. heads, \$3.50.

Kaempferi. (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Two weeks later than Syringaefolia. 4 to 5 ft., 35c; 5 to 6 ft., 60c; 6 to 8 ft., 75c; 12 to 14 ft., 2 to 2½ in. cal., \$3.00 each; 12 to 14 ft., 2½ in. cal. \$4.00; 12 to 14 ft., 3 in. cal., \$5.00.

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 4 to 5 ft., 35c; 6 to 8 ft., 75c; 10 to 12 ft., \$1.25; 10 to 12 ft. 2½ inch cal., \$2.50; 3 inch cal., \$3.00; 12 to 14 ft. 3½ in. cal., \$4.50; 12 to 14 ft., 4 in. cal., \$5.00 each.

Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves. 4 to 5 ft., 35c; 5 to 6 ft., 60c; 6 to 8 ft., 75c; 12 to 14 ft., 2½ to 3 in. cal., \$3.00; 12 to 14 ft., 3 in. cal. \$5.00.

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each
8 to 10 ft.	1½ to 2 in.	\$ 0.75
10 to 12 ft.	1½ to 2 in.	2.00
10 to 12 ft.	2½ in., per 100,	\$225.00
10 to 12 ft.	3 in.	\$3.25 to 4.00
12 to 14 ft.	3 in.	\$4.00 to 5.00
12 to 14 ft.	4 in.	\$6.00 to 10.00
12 to 14 ft.	5 in. cal.	\$12.00 to 15.00
12 to 14 ft.	6 in. cal.	\$18.00 to 22.00
14 to 16 ft.	7 in. cal.	\$22.00 to 30.00
14 to 16 ft.	8 in. cal.	\$35.00 to 40.00

Write for prices on larger lots.

Campestris Dampieri, Pyramids 8 to 10 ft. \$2.00 each.

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 6-year heads, \$20.00 each.

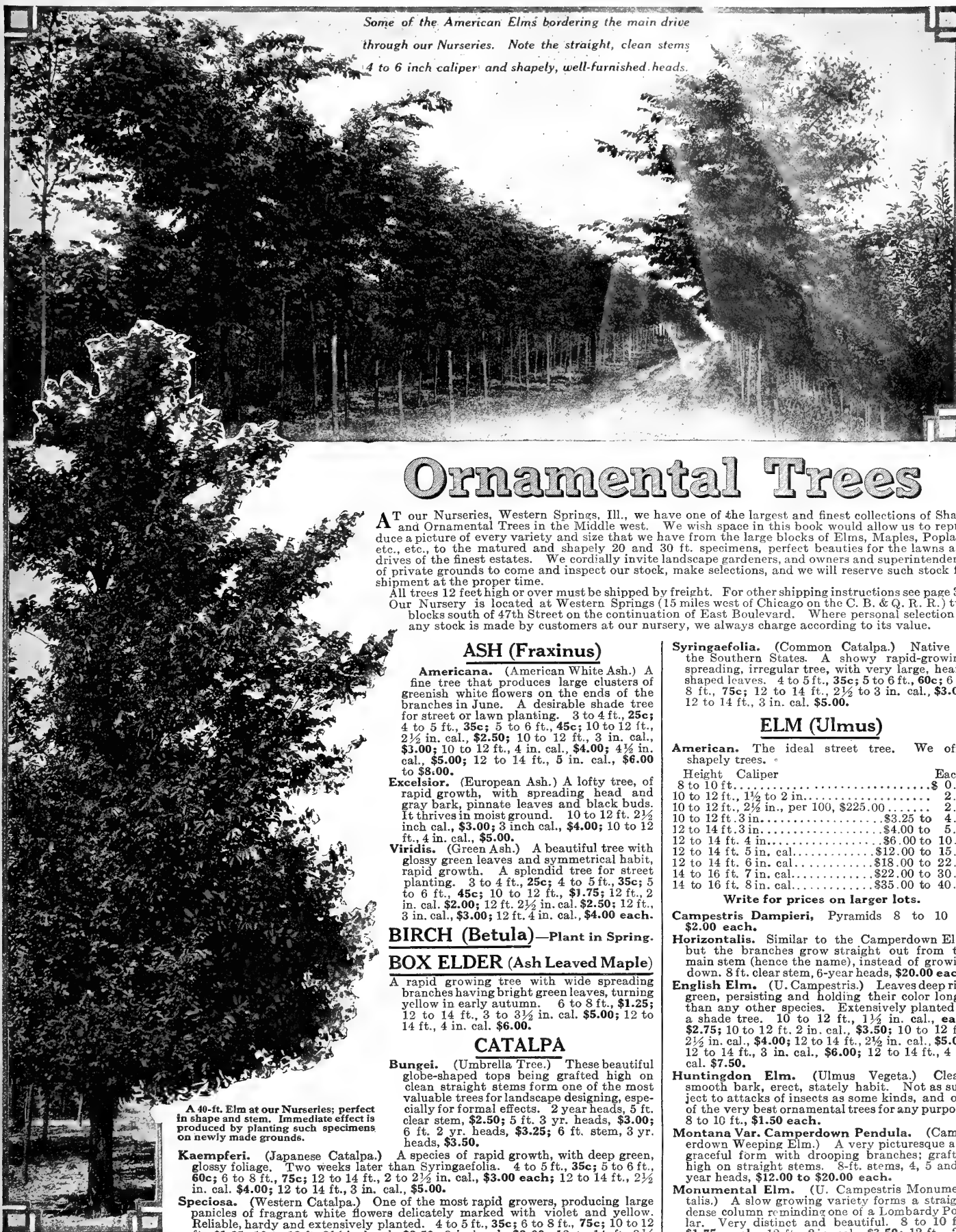
English Elm. (U. Campestris.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree. 10 to 12 ft., 1½ in. cal., each \$2.75; 10 to 12 ft. 2 in. cal., \$3.50; 10 to 12 ft., 2½ in. cal., \$4.00; 12 to 14 ft., 2½ in. cal., \$5.00; 12 to 14 ft., 3 in. cal., \$6.00; 12 to 14 ft., 4 in. cal. \$7.50.

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., \$1.50 each.

Montana Var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. 8-ft. stems, 4, 5 and 6 year heads, \$12.00 to \$20.00 each.

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 to 10 ft., \$1.75; each; 12 ft., 2 in. cal., \$3.50; 12 ft., 2½ in. cal., \$5.00; 12 ft., 3 in. cal. \$6.00.

A 40-ft. Elm at our Nurseries; perfect in shape and stem. Immediate effect is produced by planting such specimens on newly made grounds.



Ornamental Trees

Continued
from
Page 45

ELMS (*Ulmus*)—Continued

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 12 ft., 2½ in. cal. \$3.00; 12 ft., 3 in. cal., \$4.00 each; 14 ft., 3½ in. cal., \$5.00; 4 in. cal. \$6.00.

Scotch Elm. (*U. Campestris Latifolia*.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn. 8 to 10 ft., \$1.25; 10 to 12 ft., 1½ in. cal., \$2.75; 10 to 12 ft., 2 in. cal., \$3.00; 10 to 12 ft., 2½ in. cal., \$4.00; 10 to 12 ft., 3 in. cal., \$5.00.

GINGKO BILOBA (*Maidenhair Tree*)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. 6 to 8 ft., \$1.75; 8 to 10 ft., 2 in. cal., \$3.50; 10 to 12 ft. 2½ in. cal., \$5.00 to \$8.00; 10 to 12 ft., 3 in. cal., \$10.00 each.

HORSE CHESTNUT (*Aesculus Hippocastanum*)

European Horse Chestnut. An extremely ornamental and valuable shade tree. The leaves are large, divided into 5 spreading leaflets. It flowers in May, throwing up quantities of beautiful large white spikes. Prefers a moist situation. 10 to 12 ft., \$2.00 each.



SCHWEDLER'S PURPLE-LEAVED MAPLE
Exquisite foliage and a valuable shade tree



LOMBARDY POPLAR
The ideal tree for Screens

MULBERRY (*Morus*)

Russian. (*M. Tartarica*.) Very hardy, vigorous grower, fruit of small size, varies in color from white to black. (For prices see page 42).

Weeping Mulberry. (*M. Tartarica Pendula*.) (Plant in Spring).

PLANE (*Platanus*)

London Plane. (*Orientalis*.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 8 ft., \$1.50; 8 to 10 ft., \$2.00.

POPLAR (*Populus*)

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., 30c each; per 100, \$15.00; 8 to 10 ft., 1 to 1½ in. cal., 65c; 10 to 12 ft., 2 to 2½ in. cal., \$1.00; 10 to 12 ft., 2½ to 3 in. cal., \$2.50 and \$3.00. Write for prices on larger sizes, or better still, try and visit our Nurseries and select sizes to suit.

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind. 6 to 8 ft., 30c each; per 100, \$12.00; 8 to 10 ft., 40c; 1 to 1½ in. cal., 50c; 10 to 12 ft., 60c; 12 to 14 ft., 2 in. cal., \$1.25.

Norway. Very similar to Carolina Poplar. 6 to 8 ft., 30c each; 8 to 10 ft., 40c, 2 in. cal., 50c.

TREE OF HEAVEN

Tree of Heaven. (*Ailanthus Glandulosa*.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gasses of the city. 6 to 8 ft., 75c.

WALNUT (*Juglans*)

Black Walnut. (*J. Nigra*.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 to 8 ft., \$1.25.

Japanese. (*J. Japonica*.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 4 to 5 ft., 50c.

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 2 to 3 ft., 35c each; 3 to 4 ft., 50c.

SPECIMEN TREES

If larger sizes are required than are specified on these pages, customers will please write us for prices. Orders for large trees to be lifted with frozen ball of earth, should be given not later than October 30th. We have some splendid specimen Elms in these large sizes.

JUDAS TREE (*Red Bud*)

Cercis Canadensis. It blooms in early spring. Its masses of small delicate rosy flowers wreath the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., \$1.00; 6 to 7 ft., \$1.25 each.

LINDEN (*Tilia*)

Americana. (*American Linden*.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. 8 to 10 ft., 2 in. cal., \$2.00 each.

Crimean Linden. (*T. Dasystyla*.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green, turning yellow and brown in autumn. 10 ft., 2 in. cal., \$2.25; 12 ft., 2½ in. cal., \$3.00 each.

European Linden. (*Tilia Europaeus*.) Develop into symmetrical trees that are splendid for lawn, park or street planting. 8 to 10 ft., 2 in. cal., \$2.50 each.

LOCUST (*Robinia*)

Pseud-acacia. (*Black or Yellow Locust*.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 3 to 4 ft., 25c each; 5 to 6 ft., 50c; 6 to 7 ft., 60c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.00; 10 to 12 ft., \$1.25.

Honey Locust (*American*.) (*Gleditsia Triacanthus*.) A tree of picturesque outline and rapid growth. Thrives on very light soils. 2 to 3 ft., 35c; 3 to 4 ft., 40c; 4 to 5 ft., 50c.

MAPLE (*Acer*)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until leaves fall. 8 ft., 2 in. cal., \$3.00; 9 ft., 2½ in. cal., \$4.00 each.

Norway Maple. (*Platanoides*.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Its compact habit and vigorous growth render it one of the most desirable. 8 to 10 ft., \$2.00 each; 10 to 12 ft., 2 in. cal., \$3.00; 12 ft., 2½ in. cal., \$4.00; 12 ft., 3 in. cal., \$6.00 to \$8.00; 4 in. cal., \$10.00 to \$12.00.

Schwedleri (*Schwedler's Purple-Leaved Maple*.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics of the Norway Maple. 8 to 10 ft., \$2.00 each; 10 ft., 2 in. cal., \$3.00; 10 ft., 2½ in. cal., \$4.00; 3 to 4 in. cal., \$6.00 to \$15.00.

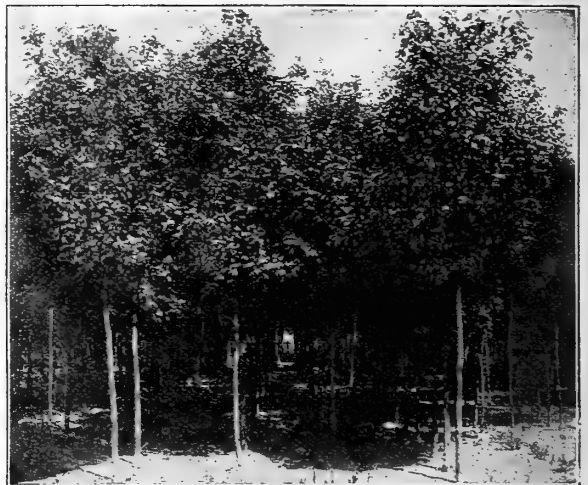
Silver Maple. (*Dasycarpum*.) Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting. 6 to 7 ft., 50c; 10 to 12 ft., \$1.75 each; 10 to 12 ft., 2½ in. cal., \$2.00; 10 to 12 ft., 3 in. cal., \$3.00; 12 to 14 ft., 4 in. cal., \$4.00.

Wier's Cut-leaved Silver Maple. (*Dasycarpum Wieri*.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, deeply and delicately cut. 8 to 10 ft., \$1.25 each; 10 to 12 ft., 2½ in. cal., \$3.00; 12 to 14 ft., 3 in. cal., \$3.50; 12 to 14 ft., 4 in. cal., \$4.00; 12 to 14 ft., 5 in. cal., \$6.00.

MOUNTAIN ASH (*Sorbus*)

European Mountain Ash. A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 8 to 10 ft., \$1.00 each; 10 to 12 ft., 1½ to 2 in. cal., \$1.75; 10 to 12 ft., 2 in. cal., \$2.50; 2½ in. cal., \$2.75; 12 to 14 ft., 3 in. cal., \$3.50.

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective, especially in Fall and Winter when covered with its scarlet berries. 12 ft., 2 to 2½ in. cal., \$2.50; 2½ to 3 in. cal., \$3.00 each.



A Block of Norway Maples at Our Nurseries

and Coniferous Evergreens

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during **September** or in the early spring, April or May.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

ABIES (Firs)

Brachyphylla. (Nikko Fir). A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 2 ft., \$1.50; 3 ft. \$1.75; 4 ft., \$2.50; 5 ft., \$3.00 each.

Douglasii. (Douglas Fir). A fine rapid growing fir, for extensive planting, windbreaks, etc., or as individual specimens. A most valuable timber tree. 1½ to 2 ft., 50c; 2 to 3 ft., 75c each.

JUNIPERS AND CEDARS

Canadensis. (Canadian Juniper). Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 2 ft., \$2.50; 3 to 4 ft., \$4.50; 5 ft., \$5.00 each.

Communis Hibernica. (Irish Juniper). Now becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 1½ ft., 75c; 2 ft., \$1.00; 4 ft., \$2.50 each.

Communis Neaboriensis. Forms a distinct pyramidal tree, 10 to 12 feet in height; of a decidedly fastigate habit. The branches are densely clothed with rich very glaucous foliage. It is one of the handsomest of the Junipers for formal work. 2 ft., \$2.00 each.

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 1½ ft., \$1.00; 2 ft., \$1.60 each.

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. 2½ ft., \$3.25; 3 ft. Specimens, \$4.00; 4 ft., \$5.00; 5 ft. \$10.00; 5½ ft., Specimens, \$12.00; 6 ft. Specimens, \$15.00; 8 ft. Specimens, \$35.00 to \$40.00 each.

Procumbens. (Trailing Juniper.) Prostrate creeping habit. Fine for growing over rocks and dry banks. 1½ by 3 ft., \$5.00 each.

Sabina. (Cedar or Savin). A dwarf spreading evergreen, with trailing branches suitable for rock work. 2 ft., Specimens, \$2.00 each; 3 ft., Specimens, \$5.00; 4 ft., Specimens, \$7.50; 5 ft., 5 ft., Specimens, \$10.00 each.

Sabina Tamariscifolia Gracilis. A good, hardy variety of a trailing and spreading nature, with rich, green foliage, growing to a height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 15 in. by 18 in., \$2.50 each.

JUNIPERS—Continued

Virginiana (Red Cedar.) A rapid, erect grower, with bright rich green foliage. Very ornamental. 5 ft., Specimens, \$8.00 each.

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older. 3 ft., \$3.00; 4 ft., \$4.00 each.

Virginiana Glauca. (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 1½ ft., \$1.00; 2 ft., \$2.00; 3 ft., \$3.00; 3½ ft., \$3.50 each.

Virginiana Schottii. Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 2½ ft., \$2.50; 3 ft., \$2.75; 4 ft., \$3.50 each.



JUNIPERUS PFITZERIANA
A graceful specimen for Lawn or Mixed Border



Bird's Eye View of an extensive Block of Evergreens at our Nurseries

LARIX (Larch)

Europaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 3 to 4 ft., 75c; 4 to 5 ft., \$1.25 each.

PICEA (Spruce)

Excelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 ft., 35c; 1 to 1½ ft., 50c; 2 to 3 ft., 80c; 4 ft., \$1.00; 5 ft., \$2.50; 6 ft., \$3.00 each.

Excelsa Nigra. (Black American Spruce). A small or medium size tree; a native of Northern America, of great hardiness, and particularly useful for planting in the Northern States. 1½ to 2 ft., 75c each.

Omorika. (Servian Spruce). A distinct and remarkably ornamental species of dense growth, with narrow outline, having shiny leaves of dark green with white lines above. 3 ft., \$2.50; 4 ft., \$3.00; 5 ft., \$4.00 each.

Koster's Blue Spruce

Pungens Glauca Kosteriana (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
2 ft.	\$3.75	5 ft.	\$12.00 to \$15.00
2½ ft.	4.25	6 ft.	20.00 to 30.00
3 ft.	5.25	7 ft.	30.00 to 40.00
3½ ft.	8.00	8 ft.	50.00 to 60.00
4 ft.	9.00	10 ft.	70.00
4½ ft.	11.00 to 12.00	12 ft.	90.00

PINUS (Pines)

Austriaca. (Austrian Pine). A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 3 ft., \$2.00; 5 ft. \$2.50 each.

Montana. (Swiss Mountain Pine) An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. Ht. 18 in., diam. 18 in. \$2.00 each.

Mughus. (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, grayish tinge. 1½ by 1½ ft. \$2.00.



We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 12 ft. high.



THUYA GLOBOSA

Coniferous Evergreens—Continued

PINUS (Pines)—Continued

Strobus. (White Pine). A very beautiful and graceful pine, regular in form with horizontal boughs and dark green foliage, growing quite tall, surmounted by a symmetrically formed crown.
1 ft., 75c; 1½ to 2 ft., \$1.00 each.

TAXUS (Yew)

Cuspidata. (Japanese Yew). One of the hardiest, of spreading habit, foliage light green. 2 ft., \$1.75 each.

Cuspidata Brevifolia. A form of the above with short, dark green leaves. A very handsome, hardy variety; rare.
1½ ft., \$2.25 each.

THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. 15 to 18 in., 35c; 2 ft., 50c; 3 ft., 60c; 4 ft., \$2.00; 5 ft. Specimens, \$3.00; 6 ft. Specimens, \$4.00; 7 ft. Specimens, \$5.00.

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens.
10 in. by 15 in., \$1.25 each; 18 in. by 18 in., \$2.00.



IRISH JUNIPER



ARBOR VITAE

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green.
1½ ft., \$1.00; 2 ft., \$1.50; 2½ ft., \$1.75; 3 ft., \$2.25 each.

Occidentalis Spiralis. Very hardy and upright compact growth.
2½ ft., \$2.50; 3 ft., \$3.00 each.

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and symmetrical form with a rich dark green foliage. 2 to 3 ft., \$2.00; 3 to 4 ft., \$3.00 each.

Pyramidalis. Valuable and very hardy. Habit much like the Irish Juniper. 4 to 5 ft., \$4.00 each.

THUYOPSIS

Standishi. (Japanese Arborvitae). A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations.
2 ft., \$1.00; 2½ ft., \$1.25; 3 to 4 ft., \$2.50 each.

TSUGA (Hemlock)

Canadensis. (Canadian Hemlock.) A tall and graceful tree with drooping spreading branches of dark glossy green foliage. 1½ to 2 ft., \$1.00; 2 to 3 ft., \$1.50; 4 to 5 ft. Specimens, \$4.00 each.

Vaughan's Fruit Trees

For Fall Planting

BEAR IN MIND.—All the trees, shrubs, and fruit trees offered in this catalog are for fall planting, and the best results will be obtained by planting during October and November. By

so doing they will have made new rootlets and got a "growing hold" in the ground before frost sets in (when all root action ceases) and will be prepared to receive the benefit of the earliest warm spring days and start into growth without delay. Spring-transplanted stock has to lie dormant until new roots are formed for source of nourishment.

Pruning. It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 or 4 buds of the main stem. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

Spraying. Climatic and other conditions vary so greatly for different localities that we strongly advise our customers to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish free bulletins on this subject and can supply information.

A leaflet on **PLANTING, MANURING and PRUNING** fruit trees will be sent free to all applicants.

SUITABLE DISTANCES FOR PLANTING

	Ft. apart each way		Ft. apart each way
Apples, Standard	30 to 40	Raspberries	1 by 4
Pears and Cherries	20	Currants, Gooseberries	3 to 4
Plums	16 to 20	Blackberries	3 to 7
Peaches	16 to 18	Grapes	8 to 10
Quinces	10 to 12	Strawberries	1 by 3

NUMBER OF FRUIT OR OTHER TREES PER ACRE

Distance Apart	No. of Trees	Distance Apart	No. of Trees
3 feet	4840	12 feet	302
4 feet	2722	15 feet	193
6 feet	1210	20 feet	108
8 feet	680	24 feet	75
10 feet	430	30 feet	50

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all freight and express shipments.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

PRICES FOR 3 AND 12 OF A KIND

Each	Three	Dozen
\$0.35	\$1.00	\$3.50
.40	1.10	4.00
.45	1.25	4.50

Each	Three	Dozen	Each	Three	Dozen
\$0.50	\$1.40	\$5.00	\$0.80	\$2.25	\$8.50
.65	1.85	6.50	.85	2.40	9.00
.75	2.15	8.00	1.00	2.90	11.00

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

Apple Trees

WE have some large fruiting trees of different sizes not mentioned in the following list; please write us for varieties, sizes and prices.

Autumn Strawberry. Red stripes, very white flesh. Bears young. 4 to 5 ft. 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 9 ft., \$1.00.

Baldwin. Large roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., Specimens, \$1.25.

Banana. Large clear yellow, fine quality. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., 35c; 6 to 7 ft., 75c; 7 to 8 ft., 85c; 8 to 10 ft., \$1.25.

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c.

Duchess of Oldenburg. Tree, a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild, sub-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resembles. Feb. to March. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Golden Russet. Medium size, dull russet, with a tinge of red; flesh greenish, crisp, juicy, and highly flavored; hardy, bears well. November to April. 5 to 6 ft., 50c; 6 to 7 ft., 65c.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white tender and juicy. Tree very hardy. Nov. to Feb. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Newtown Pippin. Green Newtown Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 7 to 8 ft., 75c.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air. Jan. to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity. Jan. to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Rome Beauty. Large; yellow and bright red; handsome; medium quality, good bearer. Dec. to March. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Snow. (Fameuse.) Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A

moderate bearer. Dec. to Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Tolman's Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Wagener. Medium to large, roundish oblate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb., 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardiness and productiveness. March to June. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Wealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable winter varieties. Oct. to Jan. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender juicy, pleasant, mild sub-acid, with a peculiar spicy flavor. Jan. and Feb. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

Yellow Transparent. One of the most desirable early apples in cultivation; early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, becoming a beautiful pale yellow when fully matured. July and Aug. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

APPLE, WEALTHY

CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequalled for jelly and for vinegar, dried or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Florence. Pinkish red, faintly striped with a dark red, wherever shaded it shows a deep yellow. The flesh is yellow; crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 35c; 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Siberian. Large, golden yellow; very popular. September. 5 to 6 ft., 50c.

Sweet Orange. A seedling of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. September. 5 to 6 ft., 50c; 6 to 7 ft., 65c.

Transcendent. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 8 to 10 ft., \$1.25.

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 5 to 6 ft., 50c; 6 to 7 ft., 65c; 7 to 8 ft., 75c; 8 to 10 ft., \$1.25.

CHERRIES

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Montmorency. A popular market variety; good for all purposes. Vigorously grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Gentlemen.—"The two orders for Nursery Stock filled by you recently have proved to be very satisfactory as to quality, and as to promptness with which we received them."

ARTHUR P. SMITH.

APPLE, GOLDEN RUSSET

An 8 to 10-ft. Apple tree, photographed at our nurseries: note fibrous roots and well-branched head.

Vaughan's Fruit Trees—Continued.

PEARS

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.25.

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.25.

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 6 to 7 ft., 85c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.25.

Early Harvest. Early. Good size. 4 to 5 ft., 60c; 6 to 7 ft., 85c; 8 to 10 ft., \$1.25.

Flemish Beauty. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., 60c; 5 to 6 ft., 75c; 6 to 7 ft., 85c; 7 to 8 ft., \$1.00.

Kieffer. Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., 75c; 6 to 7 ft., 85c; 7 to 8 ft., \$1.00; 10 to 12 ft. Specimens, \$1.50.

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 5 to 6 ft., 75c; 6 to 7 ft., 85c.

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., 60c; 5 to 6 ft., 75c.

PLUMS

Compass. (New). A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardiness, very desirable for Northern Sections. 4 to 5 ft., 75c.

Abundance. This is the plum for you, if you try

but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., 50c.

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequalled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., 50c.

De Soto. Very hardy, bright red. September. 4 to 5 ft., 50c.

Shropshire Damson. Of fine quality; flesh is amber-colored, juicy and sprightly; seldom attacked by the curculio. 4 to 5 ft., 50c.

Stoddard. One of the largest of our native plums. Color is a light pinkish red, very handsome, with a tough, sweet skin. 4 to 5 ft., 50c.

Wolf. Very popular, large, immensely productive. August. 4 to 5 ft., 50c.

QUINCE

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft., 50c; 4 to 5 ft., 75c.

Orange. Large, bright yellow. fruit of excellent flavor. 4 to 5 ft., 75c.

PEACHES—These should not be planted until spring. For varieties and prices see our 1918 Spring Catalog. Ready January 1.

RHUBARB

VAUGHAN'S MAMMOTH RHUBARB ROOTS.

1 year, each, 10c; doz., \$1.00; per hundred, \$6.00.

2 year, each, 15c; doz., \$1.50; 100, \$12.00.

Extra strong clumps, for forcing, each, 50c; per doz., \$5.00.

Mammoth size, each, 75c; doz., \$8.00.



We have
"Ready-to-
bear" Apple
and Pear
trees, from
\$2.00 up.

FRUITING PEAR TREE

Vaughan's Small Fruits

Blackberries

Price, each, 10c; per doz., 75c; per 100, \$3.00.

If to go by mail, add 10c per dozen, 35c per 100, for postage.

Eldorado. Vigorous and hardy. Berries large, jet black.

Himalaya Giant. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on trellis. Fruit large, black; has yielded as much as 400 crates per acre.

Snyder. Hardy, enormously productive, medium size, sweet and juicy.

Stone's Hardy. Best variety for the north; fruit rich and melting.

Currants

Price, (Except where noted) 2-year, each 15c, 3 for 40c, doz. \$1.50; 3-year, each 25c, 3 for 65c, doz. \$2.50.

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants should be expressed.

Boskoop Giant. (Black.) This famous currant of strong growth and free-bearing quality is in great demand, being especially adapted for preserving. 4-year, extra strong, 30c each; 3 for 85c; per doz. \$3.00; 2 and 3 years, prices as above.

Cherry. The largest of all red currants; bunches short.

Fay's Prolific. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive.

Lee's Prolific. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. 4-year, each, 30c; 3 for 85c; doz., \$3.00. 2 and 3-year prices as above.

North Star. (Red.) Bright in color; early and prolific.

Perfection, New. (Red.) Very large. A very productive variety with berries about as large as grapes; mild in flavor and free from sharpness. 2-year, each, 25c; 3 for 65c; doz., \$2.50.

Red Dutch. The old well known red currant. Berries medium size, dark red.

White Dutch. A popular currant, abundant producer. 2 and 3-year prices as above; 4-year, each, 35c; 3 for 85c; doz., \$3.00.

White Grape. Very large; yellowish white and most productive of the white varieties; mild, sweet flavor.

Gooseberries

Price, 2-year plants, by express, each 25c; 3 for 65c; doz., \$2.50; 3-year plants, by express, each, 35c; 3 for \$1.00; doz., \$3.50.

Downing. Largest of our native Gooseberries; pale green; very sweet.

Houghton. Well known, medium size, pale red, very productive.

Industry. The red fruit is of largest size, very early and sweet.

Red Jacket. It is the best Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, bright red color and of excellent quality.

Transparent. Large, yellowish green fruit. Very juicy and excellent flavor. We offer 2-year old bushes only.

Grapes

Price (except where noted); 2-year, by express, each 20c; 3 for 55c; doz., \$2.00; 3-year extra heavy, by express, each 30c; 3 for 80c; doz., \$3.00.

Agawam. (Red or Maroon.) Bunch usually loose; shouldered; berries large; skin thick, flesh pulpy, meaty, juicy and of a rich aromatic flavor; ripens about time of Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned leaving long canes.

Brighton. Dark red, bunches large; medium size, skin thin, flesh tender. Must be grown with other sorts, as it does not pollinize itself.

Campbell's Early. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. 2-year-old vines, by express, each, 30c; 3 for 80c; doz., \$3.00; 3-year-old, by express, each, 40c; 3 for \$1.10; doz., \$4.00.

Catawba. Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

Concord. Well known, reliable, deep purple.

Delaware. Bunches small, compact, shouldered; fruit small, round; skin thin, light red; flesh very juicy.

Diamond. The leading early white grape. Bunch medium, variety large white with rich yellow tinge; juicy, almost free from pulp.

Niagara. Vine hardy; unusually strong grower; fruit light greenish white, slightly ambered in the sun; skin thin, tough; sweet to center.

Moore's Early. Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific.

Worden. Black, handsome, compact bunch; ripens earlier than Concord.

Raspberries

Price (except where noted), each, 10c; doz., 75c; per 100, \$3.00.

If to go by mail, add 10c per doz., 50c per 100 for postage.

"The Herbert Raspberry." (New.) A very strong grower, hardy and very productive. Fruit large to very large, conical, bright to rather deep red, moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. Per doz., \$1.00; 100, \$5.00.

Colossal. Truly colossal fruit; dark red berries; sub-acid flavor.

Columbian. Valuable and profitable. The fruit is cone-shaped of dark red.

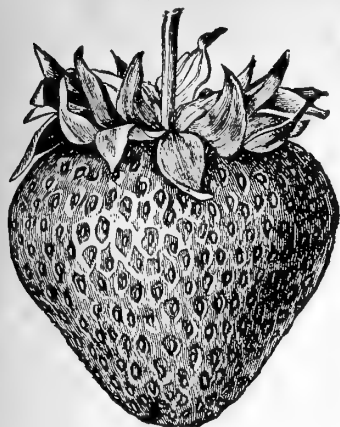
Gregg. Large Black Cap; heavy bearer.

Loudon. It is almost ever-bearing; fine deep red fruit; large and prolific.

Kansas. The best of all Black Caps; berries large or larger than the Gregg.

Older. Of strong growth; fruit of a shiny coal black without bloom; rich, juicy.

St. Regis. (New Ever-Bearing Raspberry.) Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. Awarded the highest certificate of merit by the American Institute of New York. Strong, transplanted canes, per doz., \$1.00; per 100, \$5.00.



SENATOR DUNLAP

Strawberries POT GROWN

VARIETIES marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

GIBSON (Mid Season). This is a new variety that is coming to the front very fast. Gibson commences to ripen with Senator Dunlap, but owing to its great productiveness it continues till quite late. It is a strong grower, with long roots that withstand dry weather, has dark, heavy green foliage. Berries are extra large and the vines are loaded with fruit.

KELLOGG'S PRIZE (Mid Season). Remarkable for the high quality of its fruit and for its immense yields which have made it famous wherever grown. This variety fruits from mid-season to extremely late. The fruit is of high color, delicious flavor and large size, an ideal berry for the family garden or for the extensive grower. It is claimed to cover a long season and bear a little later than Sample.

SENATOR DUNLAP (Mid Season). One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need to plant it.

SAMPLE.* (Late). Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

Price of above, per doz., 50c; 50, \$2.00; 100, \$3.50, by Express.

EVERBEARING STRAWBERRIES. Everbearing Strawberries are no longer an experiment. They are a success, becoming essential all over the country, and are making good every place they



POT-GROWN STRAWBERRY PLANT

have been tested. For best results the blossoms should be kept picked off until the middle of July. This will assure a good crop for fall. The variety we list is the best of all the Everbearing varieties, being a strong grower and heavy yielder.

PROGRESSIVE. You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or ever-bearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Price, per doz., 75c; 50 for \$2.75; 100 for \$5.00, by Express.



AMPELOPSIS ENGELMANNI

northwest. Quite similar to the Virginia Creeper but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, 25c; 3 year, 35c; 4 year 40c each (Exp.)

Lowii. A beautiful new Ampelopsis with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4 inch pots, each 50c postpaid.

Quinquifolia. (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Verv hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 years, each 20c; doz., \$2.00. Extra strong, 3 year, each 25c; doz., \$2.50; 4 year, 30c; doz., \$3.00, by express.

Hardy Climbing Vines

Especially Suited for Fall Planting

CLIMBING vines are as necessary to the comfort and beauty of a home, as the trees and shrubs planted around it. They are cheerful and cooling in climbing over bowers and summer houses, and wild and natural running over trees and stumps. They ramble over unsightly neglected places, and make them beautiful with fragrant brilliant flowers. The ones offered here are all perfectly hardy, and suitable for planting in the fall; require little attention afterwards, beyond training in the manner desired.

Akebia Quintata

A BEAUTIFUL, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 years old, 35c each; 3 yrs., 50c each.

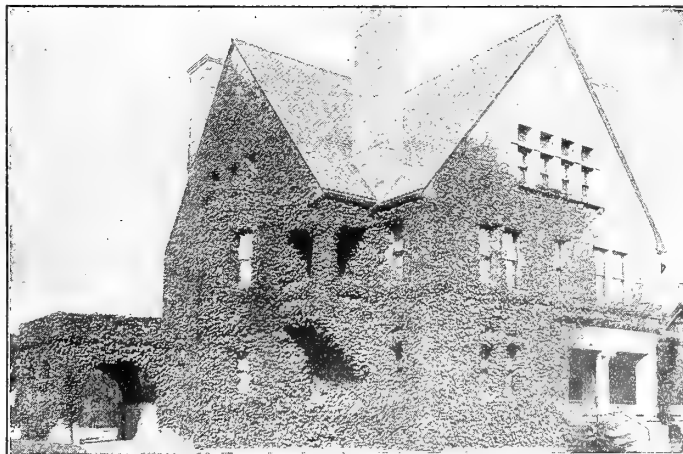
Ampelopsis—Woodbines and Ivies

HARDY ornamental vines, climbing by tendrils. They are well adapted for arbors and trellises, and thrive in almost any moist, fertile soil.

Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 2 year old, each 35c; 3 year old, each, 50c; 4 year old, each, 60c, by express.

Elegantissima. A new small-leaved climber of merit. Strong grower of clean habit with leaves turning a fine color in autumn. Strong 2 year old plants, each 35c; 3 year old 50c; 4 yrs., 60c, express.

Engelmanni. (Engelman's Ivy). One of the hardest, best and quickest growing climbers for the north and



AMPELOPSIS VEITCHII (Boston Ivy)

Climbing Vines—Continued

Ampelopsis Veitchii

(Boston Ivy)

THE grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

4-in., pot grown, each, 35c; doz., \$3.50; by express.

Aristolochia Sipho

(Dutchman's Pipe)

Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr., 35c; 3 yr., 50c each (exp.)

Bignonia

Radicans. (Trumpet Vine.) Dark red, orange throat, free blooming. Very hardy and rapid grower. Used for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., 35c; by express.

Celastrus

Articulatus. (Japanese Bitter Sweet.) Vigorous climber with

CLEMATIS PANICULATA

almost round, bright green leaves, and orange-yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens, and is one of the best vines to be had for a porch. 2 years, each, 30c; doz., \$3.00; 3-year, each, 40c; doz., \$4.00.

Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 years (strong), 30c; per doz., \$3.00; 3-year (strong), 40c; per doz., \$4.00.

Clematis Paniculata Japanese Clematis

THE finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc., the flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and the most popular of all the small flowered vines. 2-year, each, 30c; per dozen, \$3.00; (by express); 3-year, each, 50c; per dozen, \$5.00; (by exp.)

The large-flowered Clematises, and hybrids of C. Coccinea (including many new charming colors), are best planted in Spring, and will be offered in our 1918 Spring Catalog.

Euonymus Radicans

AN evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2-year, each, 35c; per doz., \$3.50; (by express).

Euonymus Vegetus Evergreen Bittersweet

A valuable Evergreen vine, for walls or ground cover. It has large leaves and is perfectly hardy except in very exposed Northern situations, where it will need a little winter protection. This is the **hardest Evergreen Vine** we have in Northern States. 2-year, each, 40c; per doz., \$4.00.

Humulus - Hop Vine

Lupulus. (Common Hop.) A useful climber for covering unsightly places, as it is a rapid grower and bears a profusion of seed pods suitable for many domestic purposes. 2-year, 30c; per doz., \$3.00.

Special Purpose Climbers

Climbers for Shady Places, Aristolochia Sipho, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis, all large flowering types, such as C. Jackmanii, Henryi, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.

N. B.—Some of these should not be planted in the Fall and have been omitted from this Catalog on that account. See 1918 Spring Catalog.

Lonicera - The Climbing Honeysuckle

HARDY vines with showy and usually very sweet scented flowers. They thrive in almost any kind of soil and are very valuable for covering walls and trellis work, and as a ground cover, where they should be allowed to ramble without support of any kind.

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles; produces continuously large trusses of red and yellow fragrant flowers.

Flava. Green foliage, yellow flowers.

Fuchsoides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage most all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost an evergreen sort, flowers pure white, changing to yellow. July to November.

PRICE: Strong 2-year-old vines, each, 35c; 3 for \$1.00; doz., \$3.50; by express. Heavy 3-year-old vines, each 50c; 3 for \$1.35; doz., \$5.00; by express.

Matrimony Vine - Lycium Barbarum

WELL known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-year-old plants, each, 35c; dozen, \$3.50; 3-year-old plants, each, 50c; dozen, \$5.00.

Periploca - Silk Vine

Græca. A rapid-growing beautiful climber; will twine around a tree or other support to the height of 30 or 40 feet. Foliage glossy and purple-brown axillary clusters of flowers. 2-year-old plants, each, 35c.

Vitis - Grape

Heterophylla. A handsome climbing plant with deeply lobed leaves, sometimes sprinkled with white and pink. Good for low trellis work. Clusters of light blue showy berries. 2 yr., 50c; 3 yr., 60c each (exp.)

Riparia. (Wild Grape.) We have

fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. 2 yr., each, 30c; 3 for 85c; dozen, \$3.00; 3 yr., 50 each; (by express).

Wistaria

STRONG growing vines that wrap themselves tightly about any support and are valued most for covering bowers, porches, pergolas and training over tree trunks. In May they bear abundant drooping clusters of flowers, similar in shape to those of a Sweet Pea, and occasionally a lighter crop follows in August.

Magnifica. Flowers in dense, drooping racemes of a pale lilac color; vigorous and perfectly hardy. 2-year-old plant, each, 35c; 3-year-old plant, each, 50c; 4-year-old plant (extra strong), each, 75c; (by express).

Vaughan's Selection of

Shrubs for Hedges

BUSH Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberrry, Japan Quince, Lilacs, Privet Iboia, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

WISTARIA

VAUGHAN'S POULTRY DEPARTMENT

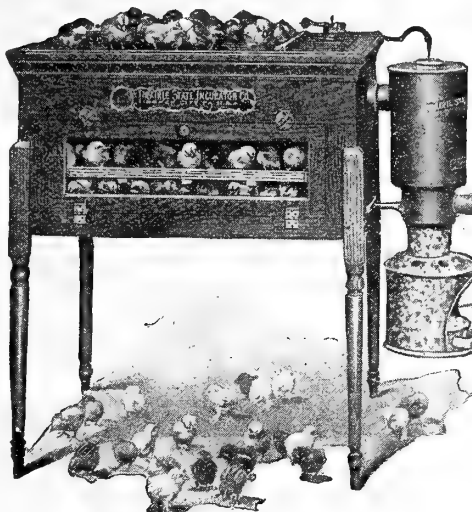
Prairie State Incubators

THE improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator. This means a great deal, as even the expert operator is liable to forget his machine.

Their construction is such as to make them of highest utility in any ordinary room in summer or in winter, without artificial heat in the coldest weather.

The Prairie State Incubator case is insulated, heavy and permanent. The heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. The regulator is sensitive and automatic.

The widest practice has conclusively demonstrated the entire Prairie State make-up to be such as to insure a latitude greater than that of any other incubator on the market to-day.



PRAIRIE STATE No. 1.

STANDARD SERIES	
No. 0, 100 eggs; 135 lbs. crated; price.....	\$21.50
No. 1, 150 eggs; 150 lbs. crated; price.....	25.00
No. 2, 240 hen eggs; 225 lbs. crated; price.....	35.00
No. 3, 390 hen eggs; 325 lbs. crated; price.....	40.00

KEYSTONE SERIES	
No. 0 Keystone, 60 hen eggs; 60 lbs. crated; price.....	\$12.00
No. 1 Keystone, 100 hen eggs; 80 lbs. crated; price.....	15.00

UNIVERSAL HOVER	
Complete Hover for outdoor use with Lamp Case; 50 lbs. crated.....	\$ 7.00
Complete Hover for indoor use, no Lamp Case; 30 lbs. boxed.....	6.00
With regulator attached \$1.00 extra.	

PRAIRIE STATE PORTABLE HOVER	
No. 1, capacity 65-100 chicks; 50 lbs. crated; price.....	\$10.00
Prairie State Junior Portable Hover.....	6.00

COMBINATION COLONY HOUSE BROODERS	
No. 1 (outdoor) weight, crated, 300 lbs.....	\$22.00
No. 2 (outdoor) weight, crated, 208 lbs.....	18.00
No. 3 (outdoor) weight, crated, 150 lbs.....	15.00

PRAIRIE STATE STOVE BROODERS	
Senior, capacity 250 to 1000 or more chicks.....	\$30.00
Junior, capacity 250 to 700 or more.....	18.00
Junior, No. 0, capacity 250 to 500 or more.....	13.00

ON ACCOUNT OF THE VARIATIONS OF THE MARKET WE ARE UNABLE TO QUOTE LIST PRICES ON FEEDS

Conkey's Preparations

CONKEY'S LICE LIQUID

THERE are a great many poultrymen who do not seem to understand that the Mite requires entirely different treatment than the ordinary louse. There is no powder made that will entirely rid you of the mite, and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. In our opinion, the Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer. 1 qt. can, 35c; ½ gal., 60c; 1 gal., \$1.00.

Conkey's Noxicide. Disinfectant, deodorant and germ destroyer. Price, 1 pt., 35c; 1 qt., 60c; 2 qts., 90c; 1 gal., \$1.50.

Conkey's Head Lice Ointment. Price, 1 oz., 10c; 3 oz., 25c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 25c; 48 oz., 50c; 100 oz., \$1.00.

Sanford's Lice Powder. Price, 15 oz., 25c; 48 oz., 50c; 100 oz., \$1.00.

Conkey's White Diarrhoea Remedy. Price, large box, 50c; small box, 25c.

Conkey's Roup Cure. Price, pkg., 25c, 50c and \$1.00, postpaid.

Conkey's Poultry Tonic. A general invigorator. Price, 50c and \$1.00.

Conkey's Gape Cure. Price, per can, 25c and 50c.

Conkey's Scaly Legs. Price, per can, 25c and 50c.

Poultry Worm Remedy. Price, per can, 25c and 50c.

Pratt's Preparations

Pratt's Roup Cure. Package, 25c; 50c and \$1.00.

Pratt's Roup Pills. Package, 25c and 50c.

Pratt's Scaly Legs Remedy. Package, 25c.

Pratt's Bronchitis Remedy. Package, 25c.

Pratt's White Diarrhoea Remedy. Pkg., 25c; 50c.

Pratt's Condition Tablets. Package, 25c.

Pratt's Lice Killer, 1 lb. can 25c; 2½ lbs. 50c.

Pratt's Sorehead and Chicken Pox Remedy, per box, 25c and 50c.

Pratt's Cholera Remedy, per box, 25c and 50c.

Pratt's Gape Remedy, per box, 25c and 50c.

Pratt's Poultry Regulator. Per pkg., 25c and 50c;

12 lb. pail, \$1.25; 25 lb. pail, \$2.50.

Germ-U-Di

THE CHICKEN REMEDY

A general antiseptic, germicide and disinfectant for treatment of the skin and mucous membrane of the chicken's head and body.

For Roup, Colds, Swelled Heads, Bowel trouble.

6 oz. bottle.....25 cents

14 oz. bottle.....50 cents

32 oz. bottle.....\$1.00

Vaughan's Ground Beef Scraps

THIS is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

As high prices for eggs prevail at this season of the year, it makes very profitable feeding.

Prices on application



POULTRY SERVICE STATION

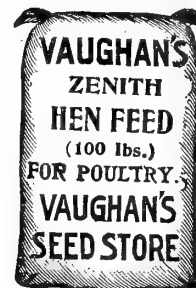
FREE ADVICE FOR POULTRYMEN

VAUGHAN'S SEED STORE
31-33 W. Randolph St.
CHICAGO

All prices of Feeds are subject to change without notice.

Write for Complete Poultry Catalogue

VAUGHAN'S ZENITH HEN FEED



CONTAINS no grit or shell. Every ounce is pure, sound grain. We choose all the grain very carefully and after mixing it an electric apparatus removes the dust. The mixture is scientifically prepared to make it the cleanest feed and best balanced ration. It is ideal for maturing chicks and laying hens.

Prices on application

Leader Adjustable Leg Bands. Price, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid.

Improved Champion Leg Bands. Price, doz., 15c.

Wire Hen Nests. Each, 15c; ½ doz., 75c; doz., \$1.50.

Porcelain Nest Eggs, each 3c; 2 for 5c; doz., 25c.

Vaughan's Pigeon and Poultry Fountain—Price, ½ gal. size, 50c; 1 gal. size, 75c.

Peerless Drinking Fountain. Price, 70c; with heater, \$1.75. Heater alone, \$1.15.

Moe's Top Fill Drinking Fountain. 1 gal., \$1.00; 2 gal., \$1.50; 4 gal., \$2.00.

Vaughan's Earthenware Fountain. Price, 1 qt., each, 30c; doz., \$2.75; 2 qt., each, 40c; doz., \$3.90; 4 qt., each, 50c; doz., \$5.25.

Vaughan's Grit and Shell Box. Three compartments; very economical. Price, 50c; doz., \$5.50.

Reliable Egg Carrier. Compact and durable. A No. 1 Filler, each, 50c; per doz., \$4.25.

Long Style Egg Carrier. Per doz., 20c; 25 for 35c; 50 for 65c; 100 for \$1.25; 1000 for \$11.00.

All Wood Shipping Coops. Best on market.

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	\$0.35	\$4.00
2	18	18	18	.40	4.50
3	12	21	21	.45	5.00
4	18	21	21	.55	6.25
5	30	21	21	.60	6.75
6	30	21	21		

PIGEON SUPPLIES

Jersey Perch. Best on the market. Each, 6c; doz., 65c.

Vaughan's Pigeon Food. Put up as follows:

5-lb. cartons	50-lb. sacks
25-lb. sacks	100-lb. sacks

Prices on application

Foust's Health Grit. An all-round condition powder. 5 lbs., 25c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.10.



ASPARAGUS—BONVALLET'S GIANT, 4 Years from Planting

For Fall
Planting

VAUGHAN'S VEGETABLE

VEGETABLE ROOTS

French Endive Witloof Chicory

The roots are planted in earth in the cellar and hilled up for bleaching like celery or white asparagus. A delicious winter salad. Price, doz., 40c; 25 for 75c; 100, \$2.75; 500 for \$12.00 (by express). (Full directions with each order.)

Sea Kale Roots

A delicious vegetable combining the flavor of celery and asparagus, bleaches and forces easily, in an ordinary cellar. Price, doz., 65c; 25 for \$1.10; 100, \$4.00; by express.

Rhubarb Roots—Extra strong clumps for forcing

Price, each, 50c; doz., \$5.00; mammoth size, each, 75c; doz., \$8.00. (express.)

Asparagus

Asparagus	1-Year Old			2-Year Old			3-Year Old		
Roots	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant.				\$0.25	\$1.50	\$10.00	\$0.40	\$2.50	\$20.00
Barr's Mammoth. . . . .				.15	.75	5.50	.30	1.50	12.00
Argenteuil (Giant) . . . . .				.20	.80	7.00	.35	1.65	15.00
Conover's Colossal \$0.10	\$0.50	\$4.00		.15	.75	5.00	.30	1.50	12.00
Columbian Mam'th . . . . .				.15	.75	5.50	.30	1.50	12.00
Palmetto . . . . .	.10	.50	4.00	.15	.75	5.00	.30	1.50	12.00
If by mail add	{ Doz., 5c			{ Doz., 8c			By express only.		
postage as follows:	{ 100, 35c			{ 100, 50c					

Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stock. Very productive, perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. Pt., (½ lb.) 15c; qt., (1 lb.) 25c; pk., (7 lbs.) 90c; ½ bu., (14 lbs.) 1.60; bu., (28 lbs.) \$3.25.

Forcing Melons—For Greenhouse

Emerald Gem Forcing.	Diamond Juilee.	Green flesh.
Vaughan's Prolific Forcing.	Invincible Scarlet.	Scarlet flesh.
A1 Superb.	Royal Sovereign.	White flesh.
Best of All.	Turner's Hybrid.	(Best American).
Blenheim Orange.	Ringleader.	
Prices of above, except where noted, each, Pkt., 25c.		

Alfalfa, V Brand

A short crop in sight. We have a limited amount of fancy non-irrigated seed carried especially for the fall trade. Prices Sept. 1st, subject to change. (Write for samples.)

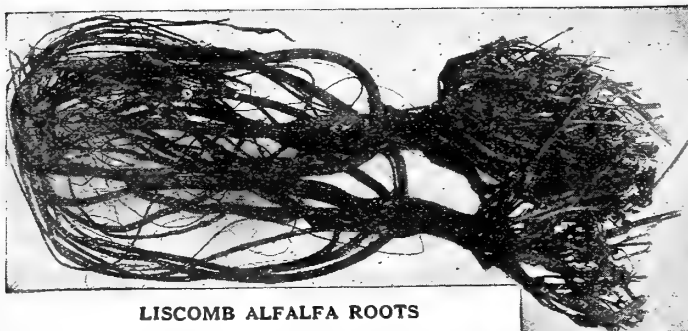
	Per Bu.	100 Lbs.
Dakota Crown	\$13.50	\$22.00
Western	11.70	19.00
Everlasting Grimm (Dakota grown). (Per lb., 75c, postpaid; 5 lbs., \$2.50, express).....	33.30	55.00
Liscomb (Variegated flower). Extra hardy with lateral roots. 24.30	40.00	
2 bu. grain bags each 35c extra.		

Clover, V Brand

Present war conditions make market subject to large fluctuations. Sept. 1 prices below:

	1 lb.	10 lbs.	Per Bu.	100 Lbs.
Medium Red, Fancy	\$0.30	\$2.40	\$13.50	\$22.00
Medium Red, Choice.....	.25	2.35	13.20	21.50
Mammoth Red, Fancy.....	.30	2.45	13.80	22.50
Mammoth Red, Choice.....	.25	2.40	13.50	22.00
Alsike, Fancy.....	.30	2.50	13.50	22.00
Crimson Clover, Choice.....	.25	2.20	13.50	22.00

Write for samples. Two bushel grain bags, 35c each extra.



LISCOMB ALFALFA ROOTS

Prices on Grasses, Clovers and Other Farm Seeds Subject to Change as Market Fluctuates.

Beans Triumph of The Frames. For forcing or growing under glass. Very small slim pods making the famous French (Haricot) style of bean. Pkt., 15c; ½ pt. (8 oz.), 20c; pt. (1 lb.), 40c; qt. (2 lbs.), 75c.

Cabbage Copenhagen Market. A new Danish, early, hard-heading, uniform ripening variety. Pkt., 10c; ½ oz., 30c; oz., 50c, ¼ lb., \$1.40; 1 lb., \$5.00.

Early Jersey Wakefield. Vaughan's selected stock.

½ oz., 20c; oz., 30c; ¼ lb., 80c; 1 lb., \$3.00.

Large Jersey or Charleston Wakefield.

Pkt., 5c; ½ oz., 20c; oz., 30c; ¼ lb., 80c; 1 lb., \$3.00.

All Head or Faultless. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$3.00.

Cauliflower Vaughan's Earliest of All. A forcing strain, sure header, earliest. Pkt., 25c.

Vaughan's New Snowball. The best for early and late summer and fall crops. A wonderful strain of the popular Snowball variety. Pkt., 25c; ½ oz., 75c; ½ oz., \$1.40; oz., \$2.50; 1 lb., \$32.00.

Cucumber—English Frame Varieties

Rollison's Telegraph. Greenhouse, English grown. Pkt., 50c.

Noah's Forcing. Pkt., 50c.

Prescott's Wonder. Pkt., 25c.

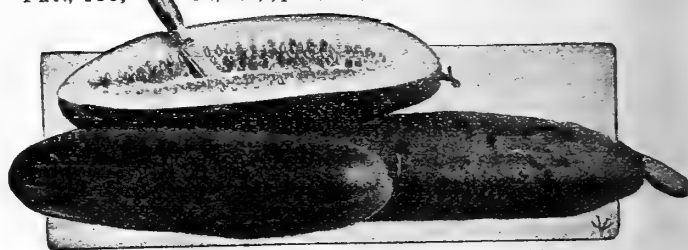
Grand Rapids Forcing. An extra long white spine, crossed with an English sort. Very prolific. Pkt. (65 seeds), \$1.00; small pkt. (30 seeds), 50c.

GREENHOUSE AND FRAME VARIETIES

Davis' Perfect. (Vaughan's Select Stock.) Selected for length and tapering ends. Extra fine color. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25. Stock seed selected for forcing. Pkt., 15c; 2 pkts., 25c; ½ oz., 60c; oz., \$1.00.

Extra Long White Spine. One of the favorites of greenhouse growers raising for market. Twelve ins. long and fine green color. Selected stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00.

Vaughan's Arlington White Spine. The best for Southern truckers. Size and color just right. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.



TYPE OF DAVIS PERFECT CUCUMBER

Vaughan's Grass

Bokhara or Sweet Clover

White Flowered. 1 lb., 35c; 10 lbs., \$2.75; 100 lbs., \$25.00.

Timothy, V Brand

Market strong, subject to fluctuations. Highest germination and purity. Write for samples. 10 lbs., \$1.20; bu., (45 lbs.) \$4.95; 100 lbs., \$10.00. Two bushel grain bags, 35 cents each extra.

The Famous Klondyke Wheat

A bald, or smooth wheat, redchaffed, with fine amber grain. Grows very rank, with good stiff straw, having strength to hold up the heavy heads. Has displaced Golden Chaff in localities where the two varieties were grown. Prices by freight or express. Pk., \$1.00; bu., \$3.50; 10 bu., \$32.50; grain bags, 35c extra. If to be shipped from New York, add 20c per bushel to these prices.

Turkey Red Wheat

Well bearded. Selected stock. The bearded are by far the hardiest of the winter wheats. The heads of the Turkey Red are a good size and the plants stood out well. Carefully re-cleaned. Prices by freight or express, at purchaser's expense. Pk., \$1.00; bu., \$3.50; 10 bu., \$32.50; grain bags 35c each extra. If to be shipped from New York, add 20c per bushel to these prices.

Winter Vetch, Also Called Hairy or Sand Vetch

Sow early in fall. Especially fine for orchard covering. It succeeds well in all soils and withstands extremes of heat and cold. Remains green and furnishes pasturage all winter. Write for our booklet. Sow ½ bu. (30 lbs.), per acre. Price by freight or express: Bu., \$11.40; 100 lbs., \$19.00.

Winter Rye

Our seed is a nice clean strain of the heavy yielding variety. Prices by freight or express. Pk., \$1.00; bu., \$3.00; 10 bu., \$27.50. Grain bags 35c each extra. If shipped from New York add 20c per bu. to these prices.

Wild Rice

A desirable food for wild ducks. Sown in fresh water, lakes, swamps and river bogs. Write for booklet. Seed must not be allowed to dry out. 1 lb., 40c; 5 lbs., \$1.65; 10 lbs., \$8.00.

NOTE.—Seeds Per Parcel Post. Prices per pkt., or oz., and ¼ lb., include postage—larger quantities at rates on inside front cover.

SEEDS AND ROOTS

For Greenhouse
Frame or Garden

Lettuce

GRAND RAPIDS FORCING Vaughan's Selected Stock For Greenhouse Use. This grand forcing variety is the hardest of all sorts for greenhouse use and is planted now to the exclusion of almost all other sorts for the purpose. Our strain cannot be surpassed in quality. Bred from single plant selections.

Vaughan's Extra Selected Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25; 5 lbs., \$5.50.

Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c; 5 lbs., \$3.25.

BLACK-SEEDED SIMPSON. Forms large, loose leaves of ideal color. A good variety for use under glass and best for early outdoor planting. Vaughan's Select Stock. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

MAY KING. An excellent head lettuce. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.25.

VAUGHAN'S BIG BOSTON Re-Selected Stock—Most Popular Strain for Southern Planting. This is the early lettuce so much planted in the south. Vaughan's Big Boston is standard throughout Florida. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25.

Onion Seed

Bermuda Onion Seed—Teneriffe Grown

(For Southern Planting.) The crop on the White or Yellow Bermuda is very short this year. There is a fair supply of the Crystal White Wax. The seed may arrive late and we offer subject to arrival, for this year's planting, as follows:—

White Bermuda. Pkt. 10c; oz. 30c; ¼ lb. 75c; 1 lb. \$2.50.

Crystal White Wax. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50. Write or wire for latest quantity price.

WHITE WELSH ONION. For green onions. Hardy with slight protection. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.



MUSHROOMS GROWING IN A BASEMENT.

and Farm Seeds For Fall Sowing

Grass Seeds

VAUGHAN'S "CHICAGO PARKS" LAWN MIXTURE produces beautiful and permanent turf. They are as free from weeds and chaff as human skill and scientific machinery can make them. We invite microscopic examination, comparison and analysis. Price per ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

VAUGHAN'S "COLUMBIAN LAWN" GRASS SEED. Vaughan's Columbian Lawn Grass Seed is a selection of the finest grasses which naturally thrive under shade of trees or buildings, or suitable for light sandy soils. This mixture produced lawns of beauty at the Columbian World's Fair, where it was used extensively and gave splendid results. Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass. Price per ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

VAUGHAN'S QUICK SOD. A new mixture put up for fall sowing and first planting on new soil. Quick growing, hardy grass; produces good sod that will winter without killing out. Price, per ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

KENTUCKY BLUE GRASS we offer in two grades. Extra Fancy Seed, sun-dried, twice re-cleaned. Very high germination. 1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.75; 100 lbs., \$35.00. Fancy Seed. Actual weight 21 lbs. per bu. 1 lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.25; 100 lbs., \$30.00.

RED TOP GRASS. Fancy. Crop very short. Solid seed, bushel 32 lbs. 1 lb., 25c; 10 lbs., \$1.60; 100 lbs., \$18.00.

Common. Unhulled. Bushel 14 lbs. 1 lb., 15c; 10 lbs., \$1.25; 100 lbs., \$10.00.

WHITE CLOVER. Extra fancy seed. 1 lb., 75c; 3 lbs., \$2.10; 10 lbs., \$7.00.

Vaughan's Lawn Fertilizer

The high-grade fertilizers sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which, grass being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye.

Price, 5 lbs., 40c; 10 lbs., 65c; 25 lbs., \$1.20; 50 lbs., \$2.10; 100 lbs., \$3.50; 200 lbs., \$6.50; 500 lbs., \$14.00; 1,000 lbs., \$26.00; 2,000 lbs., \$50.00.

Radish

Vaughan's Cardinal Forcing. New. Best forcing radish today. Few days earlier than Scarlet Globe, runs more even in shape, a richer dark red; small tops; flesh firm and crisp; very few cracked bulbs. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequalled strain of this most popular sort. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.15.

Giant Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing radishes. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.50.

Crimson Giant. A standard, very large and early forcing radish, a fine strain. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.15.

Vaughan's Early Carmine Turnip. The earliest, all scarlet, turnip-shaped radish. Earlier than Scarlet Globe. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.10.

Spinach

Extra Large Round Leaf, Monstrous Leaved Viroflay, and Vaughan's Norfolk Savoy. Oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

Giant Fillbasket. (New.) The largest and best spinach yet introduced. Pkt., 5c., oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Tomatoes

For Under Glass. Best Re-selected Stocks.

Lister's Prolific (New.) Latest popular English sort. Pkt., 25c. **Comet** (Scarlet.) **Sterling Castle** (Scarlet), **Sunrise** (Scarlet), **Hubert's Marvel** (round like an apple), **Frogmore Selected** (Scarlet), Pkt., 15c each. Best of All and **Lorillard** (Two old standards), Pkt., 5c. **New Globe, Chalk's Early Jewel** and **Bonny Best**, American forcing varieties. Pkt., 10c.

Vaughan's Mushroom Spawn

(LAMBERT'S PURE CULTURE)

Thousands of people are successfully raising delicious mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia.) Very hardy and a good producer.

No. 8. Cream Columbia. Mammoth Strain. Hardy and prolific.

No. 9. White Alaska. Mammoth Strain. A most popular sort with growers for the market.

No. 5. Brown. Grows in clusters, is very prolific.

No. 10. Light Brown. A good grower, fine flavor.

No. 11. Cream. Similar to No. 8, but slightly darker.

No. 12. Cream Color. (Columbia.)

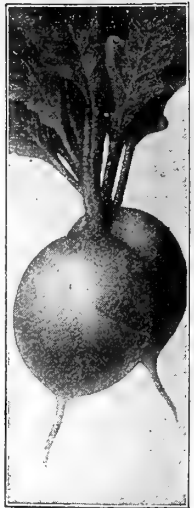
Price—Direct Bricks, inoculated direct from pure cultures. Weight, per brick, 1½ lbs. Brick, 35c; 2 bricks, 65c; 5 bricks, \$1.50, postpaid 1st and 2nd zone. Not prepaid, 10 bricks, \$2.80; 25 bricks, \$5.00; 50 bricks, \$8.25; 100 bricks, \$16.50. Special prices on case lots.

ENGLISH SPAWN. A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks (weight per brick 1½ lb.). Price, brick, 20c; 2 bricks, 35c; 8 bricks, \$1.25; 25 lbs., \$2.25; 100 lbs., \$8.50; if shipped from New York, \$7.00. Special prices on half ton lots and up.



Ravisloe Country Club Golf Course—Vaughan's Grass Seeds used here.

We Invite Superintendents of Country and Golf Clubs to Write for Special Prices and Samples of Our Grass Seeds.



CARDINAL FORCING

TABLE OF CONTENTS

Explanation of Table Below: Numbers prefixed B, represent Bulbs; P, Plants and Trees; R, Roots; S, Seeds.

A		D		K		Q	
	Page		Page		Page		Page
Abies	P. 47	Daffodils (see Narcissus)	P. 28	Knives	Inside Back Cover	Quince	P. 50
Acanthus	P. 26	Daisy	P. 28			Quince, Japan (see Cydonia)	
Acer	P. 38, 48	Delphinium	P. 28				
Achillea	P. 26	Desmodium	P. 40				
Aconitum	P. 26	Deutzia	P. 28				
Ajuga	P. 26	Dianthus	P. 28				
Akebia	P. 51	Dictamnus	P. 28				
Alder	P. 45	Dielytra	R. 18, P. 28				
Alfalfa	S. 54	Digitalis	P. 28				
Allium	B. 17	Dogwood (see Cornus)					
Althea	P. 38	Dogtooth Violet (see Erythronium)					
Amarylhis	B. 17	Dracaena	P. 25				
Amelanchier	P. 38						
Amorpha	P. 38						
Ampelopsis	P. 51-52						
Anchusa	B. 17, P. 26						
Anemone	B. 17, P. 26						
Annuals	S. 24						
Anomatheca (see Freesia)							
Apple Tree	P. 49						
Aquilegia	P. 26						
Arabis	P. 26						
Aralia	P. 38						
Arborvitae	P. 48						
Armeria	P. 27						
Artemisia	P. 27						
Asclepias	P. 27						
Ash	P. 45						
Asparagus	R. 51						
Asparagus Fern	P. 25						
Aspidistra	P. 25						
Aster	P. 27						
Aucuba	P. 25						
Azaleas	P. 25, 38						
B		E		L		R	
Babiana	B. 17	Echinacea (see Rudbeckia)		Labels	Inside Back Cover	Radish	S. 55
Baptisia	P. 27	Elder (see Sambucus)		Larch	P. 47	Rakes	Inside Back Cover
Barberry (see Berberis)		Eleagnus	P. 41	Larkspur (see Delphinium)		Ranunculus	B. 23, P. 36
Beans	S. 54	Elm	P. 45	Lavender (see Lavandula)		Raspberries	P. 50
Bellis	P. 27	Endive (French)	P. 54	Lavandula	P. 30	Rhamnus	P. 43
Berberis	P. 38	Eranthis	B. 1, 18	Lawn Seed	S. 55	Rhodotypos	P. 43
Bignonia	P. 52	Eranthis (see Grasses)		Lawn Sweeper	Inside Back Cover	Rhubarb	R. 50, 54
Birch	P. 45	Eryngium	P. 29	Leaf Cart	Inside Back Cover	Rhus	P. 43
Blackberries	P. 50	Erythronium	P. 40, 52	Leaf Mould	Inside Back Cover	Ribes	P. 43
Bleeding Heart (see Dielytra)		Euonymus	P. 40, 52	Leituce	S. 54	Robinia	P. 43
Boltonia	P. 27	Eupatorium	P. 29	Leucocum	B. 22	Rosa	P. 43
Boston Fern	P. 25	Evergreen Trees	P. 47, 48	Lilacs	P. 41	Rosmarinus	P. 36
Boston Ivy	P. 51	Exochorda	P. 40	Lily-of-the-Valley	R. 1, 22, 32	Rubber Plant (see Ficus)	
Box Elder	P. 45			Lilies	B. 20, 21	Rudbeckia	P. 36
Boxwood	P. 25			Linden	P. 46	Rye	S. 55
Buddleia	P. 27			Lindera	P. 40		
Bulb Bowls	16			Linum	P. 32		
Bulb Planter	2			Lobelia	P. 32		
Bulb Dibber	2			Locust	P. 46		
				Lonicera	P. 42, 52		
				Lupinus	P. 32		
				Lychnis	P. 32		
				Lycium	P. 42, 52		
				Lysimachia	P. 32		
				Lythrum	P. 32		
C		F		M		S	
Cabbage	S. 54	Ferns	P. 25	Mahonia	P. 42	Sacred Lily	B. 16
Caladium	P. 25	Fertilizers	Inside Back Cover	Malus	P. 42	Sage (see Salvia)	
Calla Lily	B. 17	Fiber (for Bulbs)	11	Maple	P. 46	Salix	P. 43
Calochortus	B. 17	Ficus	P. 25	Mastica	Inside Back Cover	Salvia	P. 36
Calycanthus	P. 39	Firs (Abies)	P. 47	Matrimony Vine	P. 42, 52	Sambucus	P. 43
Campanula	P. 27	Flower Baskets	Inside Back Cover	Meilons	S. 54	Saws	Inside Back Cover
Candytuft (see Iberis)		Flower Boxes	Inside Back Cover	Mertensia	P. 32	Scabiosa	P. 36
Canterbury Bell (see Campanula)		Flower Pots, Pans, Inside Back Cover		Mint	P. 32	Scilla	B. 1, 23, P. 25
Caragana	P. 39	Forget-Me-Not (see Myosotis)		Monarda	P. 32	Seakale	R. 54
Catalpa	P. 45	Forsythia	P. 40	Morus	P. 42, 46	Sea Onion (Scilla)	P. 25
Cauliflower	S. 54	Foxglove (see Digitalis)		Mountain Ash (Sorbus)	P. 46	Sedum	P. 37
Cedars (Juniper)	P. 47	Freesia	B. 18	Mulberry (see Morus)		Shears	Inside Back Cover
Ceanothus	P. 39	Freesia, Scarlet	B. 18	Muscari	B. 22	Shrubs, Ornamental	P. 38
Celastrus	P. 52	Fritillaria	B. 18, 19	Mushroom Spawn	55	Snowball (see Viburnum)	
Centaurea	P. 28	Fruits	P. 48, 49, 50, 51	Myosotis	P. 32	Snowberry (see Symphoricarpos)	
Cephalanthus	P. 39	Fumigators	Inside Back Cover			Snowdrop	B. 1, 23
Cerasus	P. 39	Funkia	P. 29			Solidago	P. 37
Cherry	P. 50					Sparaxis	B. 23
Chinese Lily	B. 16					Spinach	S. 55
Chionanthus	P. 39					Spiraea	R. 23, P. 37, 43, 44
Chionodoxa	B. 1, 18					Spruce (see Picea)	
Chives	P. 27					Sprinklers	Inside Back Cover
Chrysanthemum	P. 25, 28					Star of Bethlehem (see Ornithogalum)	
Cimicifuga	P. 28					Statice	P. 37
Clematis	P. 52					Stephanandra	P. 44
Clethra	P. 39					Stokesia	P. 37
Climbing Vines	P. 51					Strawberry	P. 51
Clover	S. 54, 55					Sumach (see Rhus)	
Colchicum	B. 18					Sweet Briar (see Rosa)	
Columbine (see Aquilegia)						Sweet Peas	S. 24
Coreopsis	P. 28					Sweet Shrub (see Calycanthus)	
Corchorus	P. 39					Sweet William (Dianthus)	P. 37
Cornus	P. 39					Symphoricarpos	P. 44
Crab Apple Tree	P. 49					Syringa (see Philadelphus and Lilac)	
Crab, Bechtel's	P. 39						
Crataegus	P. 39						
Crocus	B. 1, 18						
Crotons	P. 25						
Crown Imperial (see Fritillaria)							
Cucumbers	S. 54						
Currants	P. 50						
Currant (Flowering) (see Ribes)							
Cyclamen	P. 25						
Cydonia	P. 40						
Cyperus	P. 25						
D		G		N		T	
		Gaillardia	P. 29	Narcissus	B. 1, 12 to 16	Tamarix	P. 44
		Galanthus (see Snowdrops)		Narcissus (Chinese)	B. 16	Taxus	P. 48
		Galea	P. 29	Nepeta	P. 32	Thalictrum	P. 37
		Geranium	P. 29	Nephrolepis (see Ferns)	P. 25	Thorn (see Crataegus)	
		Gingko	P. 45			Thuya	P. 48
		Gladiolus	B. 19			Thymus	P. 37
		Glass Cutter	Inside Back Cover			Timothy	S. 55
		Glazing Material	Inside Back Cover			Tomatoes	P. 25
		Gleditsia	P. 40			Tradescantia	P. 46
		Golden Rod (see Solidago)				Tree of Heaven	
		Gooseberries	P. 50			Trees, Fruit	P. 49, 50
		Grape Hyacinths	B. 1, 22			Trees, Shade and Ornamental	P. 45, 46
		Grapes	P. 50			Trillium	R. 23, P. 37
		Grasses (Ornamental)	P. 29			Triteleia	B. 23
		Grass Seed	S. 54			Trollius	P. 37
		Gravel	16			Tsuga	P. 48
		Guelder Rose (see Viburnum)				Tulips	B. 1, 6, 7, 8, 9, 10, 11
		Gypsophila	P. 29				
E		H		O		V	
		Hamamelis	P. 40	Oenothera	P. 32	Valeriana	P. 37
		Hawthorn (see Crataegus)		Onions	S. R. 55	Veronica	P. 37
		Helenium	P. 29	Ornithogalum	B. 22	Vetch	S. 54
		Helianthus	P. 30	Oxalis	B. 22	Viburnum	P. 44
		Heliopsis	P. 30			Vinca	P. 37
		Helleborus	P. 30			Vines	P. 51, 52
		Heimerocallis	P. 30			Viola	P. 37
		Heuchera	P. 30			Violet (see Viola)	
		Hibiscus	P. 30			Vitis	P. 52
		Hippophaea	P. 40				
		Hollyhocks	P. 30				
		Honey-suckle (see Lonicera)					
		Horse Chestnut	P. 45				
		House Plants	P. 25				
		Hop Tree (see Ptelea)					
		Hop Vine (see Humulus)					
		Hotbeds	Inside Back Cover				
		Hotbed Mats	Inside Back Cover				
		Humulus	P. 52				
		Hyacinth Glasses					
		Hyacinths	B. 3, 4, 5				
		Hydrangea	P. 25, 41				
		Hypericum	P. 41				
F		I		P		W	
		Iberis (Candytuft)	P. 30	Pachysandra	P. 36	Walnut	P. 46
		Incarvillea	30	Palms	P. 25	Watering Cans	Inside Back Cover
		Incubators	55	Pandanus	P. 25	Weigelia	P. 44
		Insecticides	Inside Back Cover	Pansy	S. 24	Wheat	S. 55
		Inula	P. 30	Papaver	P. 36	Wild Rice	S. 55
		Iris	B. 19, P. 31, 32	Parcel Post Rates	Inside Front Cover	Willow (see Salix)	
		Ixia	B. 22	Peat	Inside Back Cover	Window Boxes	Inside Back Cover
				Peach Tree	P. 51	Winter Aconite (see Eranthis)	
				Pear Tree	P. 50	Wistaria	P. 52
				Pentstemon	P. 36	Witch Hazel (see Hamamelis)	
				Peonies	P. 34, 35	Woodline	P. 51
				Perennials	P. 26 to 37		
				Periploca	P. 52		
				Philadelphus	P. 42		
				Phlox	P. 33		
				Physostegia	P. 36		
				Picea	P. 47		
				Pines	P. 48		
				Plane	P. 46		
				Plant Tubs	Inside Back Cover		
				Platycodon	P. 36		
				Plum Tree	P. 50		
				Polygonatum	P. 36		
				Polygonum	P. 36		
				Poppy (see Papaver)			
				Poplar	P. 46		
				Pots, Pans, Saucers	Inside Back Cover		
				Potting Soil	Inside Back Cover		
				Poultry and Poultry Supplies	53		
				Poultry Feeds	53		
				Poultry Remedies	53		
				Privet (see Ligustrum)			
				Prunus	P. 42		
				Ptelea	P. 42		
				Puschkinia	B. 23		
				Putty	Inside Back Cover		
				Pyrethrum	P. 36		
G		J		Y			
		Joss Flower (see Chinese Lily)					
		Jonquils	B. 15				
		Judas Tree	P. 46				
		Junipers	P. 47				

Our Order No.

Vaughan's Seed Store

43 Barclay St., NEW YORK. 31-33 W. Randolph St., CHICAGO

See instructions in
Catalogue,
"HOW TO ORDER"

Date.....

Your Name.....
(Very Plain)

Please do not write here.

Post Office.....P. O. Box.....

County.....State.....

Street No.....Forward by.....
(Mail, Express or Freight)

Express Office.....Name of Ex. Co.....

AMOUNT ENCLOSED. Cash, - - \$..... Money Order, \$.....

State how much money you enclose. Postage Stamps, - \$.....Draft or Check, \$

NOTICE—We do not warrant in any way, express, or implied, the contents, or the description, quality, productiveness, or any other matter of any seeds, bulbs, or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions we make this sale, at the moderate prices at which we sell our goods. **Vaughan's Seed Store (Incorporated).**

[illegible]

 In making your order, please give the price, to avoid delay and errors. 

Do not Write in this space.

[illegible]

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.		First pound or fraction	Each additional pound or fraction	Total Weight	lbs.		
First Zone	Chicago or New York or 50 miles thereof ..	5c	1c				
Second Zone	within 50 to 150 miles of either.....	5c	1c				
Third Zone	within 150 to 300 miles.....	6c	2c				
Fourth Zone	within 300 to 600 miles	7c	4c				
Fifth Zone	within 600 to 1000 miles.....	8c	6c				
Sixth Zone	within 1000 to 1400 miles.....	9c	8c				
Seventh Zone	within 1400 to 1800 miles.....	11c	10c				
Eighth Zone	all over 1800 miles.....	12c	12c				
				Amount for Postage		\$	
				Grand Total		\$	

 In making your order, please give the price, to avoid delay and errors. 

Our Order No.

For Plants, Trees and Shrubs Only

.....

See instructions in
Catalogue.
"HOW TO ORDER"

Vaughan's Seed Store

43 Barclay St., NEW YORK. 31-33 W. Randolph St., CHICAGO

Date.....

Your Name.....
(Very Plain)

Please do not write here.

Post Office.....P. O. Box.....

County.....State.....

Street No.....Forward by.....
(Mail, Express or Freight)

Express Office.....Name of Ex. Co.....



AMOUNT ENCLOSED. Cash, - - \$..... Money Order, \$.....

43 State how much money you enclose. Postage Stamps, - \$.....Draft or Check, \$

NOTICE—We do not warrant in any way, express, or implied, the contents, or the description, quality, productiveness, or any other matter of any seeds, bulbs, or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions we make this sale, at the moderate prices at which we sell our goods.

Vaughan's Seed Store (Incorporated).

[illegible]

 In making your order, please give the price, to avoid delay and errors. 

[illegible]

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.		First pound or fraction	Each additional pound or fraction	Total Weight	lbs.		
First Zone	Chicago or New York or 50 miles thereof	5c	1c	Amount for Postage		\$	
Second Zone	within 50 to 150 miles of either	5c	1c				
Third Zone	within 150 to 300 miles	6c	2c				
Fourth Zone	within 300 to 600 miles	7c	4c				
Fifth Zone	within 600 to 1000 miles	8c	6c				
Sixth Zone	within 1000 to 1400 miles	9c	8c				
Seventh Zone	within 1400 to 1800 miles	11c	10c				
Eighth Zone	all over 1800 miles	12c	12c				
Grand Total				\$			



VAUGHAN'S GARDEN TOOLS AND REQUISITES

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

BULB PLANTER (see page 2).

BULB BOWLS (see page 16).

BULB DIBBER (see page 2).

FUMIGATORS, Eureka, galvanized. Used for burning tobacco stems in order to fumigate greenhouses. No. 1, capacity $\frac{1}{2}$ pk., \$1.50; No. 2, capacity 1 pk., \$2.00; No. 3, capacity $\frac{1}{2}$ bu., \$2.75; No. 4, capacity $\frac{3}{4}$ bu., \$3.50.

FERTILIZERS

BONE MEAL, Vaughan's "Rose Grower" Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. 5 lbs., 25c; 10 lbs., 50c; 25 lbs., 85c; 50 lbs., \$1.40; 100 lbs., \$2.40. (In New York, 50c higher per 100 lbs.)

BONE MEAL, "Regular Grade," 5 lbs., 20c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.20. (In New York 50c higher per 100 lbs.)

BOWKER'S PLANT FOOD. A first class plant food. Small sized pkg., 15c; large sized pkg., 25c; mailing weight, small, 7 oz.; large, 15 oz.

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$1.90; 500 lbs., \$8.00; 1,000 lbs., \$15.50; 2,000 lbs., \$28.00. (Prepaid to nearest railroad station if within twenty miles of Chicago.) In New York, 50c higher per 100 lbs.

CLAY'S FERTILIZER. Valuable imported manure, recommended to all who grow either fruit, flowers or vegetables and wish to bring them to the highest perfection. Should also be used for potting and top dressing. (We are not responsible for any loss in weight, due to evaporation, of imported fertilizers.) Lb., 30c; 7 lbs., \$1.80; 14 lbs., \$3.20; 28 lbs., \$6.25; 56 lbs., \$9.50.

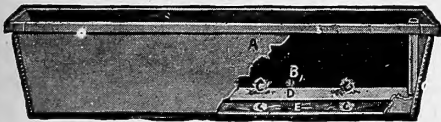
SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 35c; 10 lbs., 55c; 25 lbs., 85c; 50 lbs., \$1.25; 100 lbs., \$2.15; 500 lbs., \$8.50; 1,000 lbs., \$14.00; ton, \$26.00. (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.) F. O. B. New York, 100 lbs., \$2.25; 500 lbs., \$9.00.

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 15c each; Large pkg., 25c each; mailing weight, small, 10 oz.; large 17 oz. Each package contains full directions.

FIBER, for growing bulbs in., (see page 11).

"Illinois" Self-Watering FLOWER BOXES AND BASKETS

Splendid for growing bulbs



Box has reservoir in bottom, which when filled with water will supply plants with moisture for ten days. Water being conveyed direct to the roots of plants leaves soil in a loose condition, ideal for plant growth. Sold in following Shapes and Sizes.

WINDOW BOXES

8-in. deep, 9 $\frac{1}{2}$ -in. wide., except No. 0, 6-in. x 6-in.

No.	Length	Price	No.	Length	Price
0.....	16 in.	\$1.00	6.....	33 in.	\$2.30
1.....	23 in.	1.80	7.....	35 in.	2.50
2.....	25 in.	1.90	8.....	37 in.	2.65
3.....	27 in.	2.00	9.....	39 in.	2.80
4.....	29 in.	2.10	10.....	41 in.	3.00
5.....	31 in.	2.20			

PORCH BOXES

9-in. deep, 12-in. wide.			8-in. deep, 12-in. wide.		
No.	Length	Price	No.	Length	Price
21.....	37 in.	\$3.25	24.....	49 in.	\$4.25
22.....	41 in.	3.65	25.....	53 in.	4.50
23.....	45 in.	4.00			

Illinois Junior. Slightly lighter steel, otherwise same as above.

8 in. wide, 7 in. deep.	24 in. long.....\$1.50
	30 in. long..... 1.75
	36 in. long..... 2.00

HANGING BASKETS

No.	Depth	Price	No.	Depth	Square Price
8.....	6 in.	\$1.00	12.....	8 in.	\$1.50
10.....	7 in.	1.25	14.....	9 in.	1.75

GLASS CUTTER AND Glazing Tool. Each, 10c.

GLASS CUTTER, DIAMOND. Each, \$5.00.

GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2 $\frac{1}{2}$, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c, postage extra.

Siebert's Improved, $\frac{5}{8}$ and $\frac{1}{2}$, price per lb., 60c.

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. Each, \$1.70; 3 for \$4.80; doz., \$19.00.

Glazed, each, \$4.25; 3 for \$12.50; doz., \$49.50.

For 8-inch glass, 4 rows each, \$1.85; 3 for \$5.30; doz., \$19.75. Glazed, each, \$4.50; 3 for \$13.40; doz., \$52.50.

HOTBED MATS.

Burlap. Made of finest material.

Size A—40 in. x 76 in., each, \$1.75; doz., \$19.00.

Size B—76 in. x 76 in., each, \$2.60; doz., \$30.00.

Straw Mats. Rye straw, 3x6 feet, each, \$1.50; doz., \$17.00. Same mat, 6x6 feet, each, \$2.70; doz., \$30.00.

INSECTICIDES AND FUNGICIDES

Weights—By mail, $\frac{1}{2}$ pt. 1 lb.; pt. 2 lbs.; qrt., 3 lbs.

APHINE. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. Per $\frac{1}{2}$ pint, 40c; per pint, 65c; per quart, \$1.00; gallon, \$2.50.

BLACK LEAF 40. Highly recommended as a spray for soft-bodied sucking insects. Follow directions carefully. 1 oz., 25c; $\frac{1}{2}$ lb., 75c; 2 lbs., \$2.50. (1 oz. makes from 5 to 10 gals. of spray.)

FIR TREE OIL SOAP. For thrip, red spider, black and green fly, mealy bug, worms, $\frac{1}{2}$ lb. tin, 30c; 2 lbs., \$1.00.

FISH OIL SOAP. (Commonly known as Whale Oil Soap). An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. Per lb., 20c; 2 lbs., 35c; 5 lbs., 75c.

FLOWERS OF SULPHUR. For mildew on roses, etc. Lb., 12c; 10 lbs., 85c; 25 lbs., \$1.75.

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. $\frac{1}{2}$ pint, 25c; pint, 40c; quart, 75c; $\frac{1}{2}$ gal., \$1.25; gal., \$2.00.

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. Qt. can, 40c; 1 gal., \$1.00; 5 gal. can, \$4.00.

NICO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide. Price, 24 sheets, 85c; 144 sheets, \$4.00; 288 sheets, \$7.50.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent Nicotine. $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50; 4 lbs., \$5.50; 8 lbs., \$10.50.

NICOTICIDE. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 oz., 70c; $\frac{1}{2}$ pt., \$1.25; pint, \$2.50; quart, \$4.50; $\frac{1}{2}$ gal., \$8.25; gal., \$15.00.

Fumigator for above, 75c.

NIKOTEEN. Use same as Nicoticide.

2 oz., 40c; $\frac{1}{2}$ pint, 85c; pint, \$1.50.

SULPHO TOBACCO SOAP. For greenfly on roses. 8 oz. box, 20c; by mail, 25c; 4 ozs., 10c; by mail, 12c.

TOBACCO STEMS. For fumigating. 5 lbs., 25c; 100 lbs., \$2.60.

TOBACCO DUST. One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 100 lbs., \$3.50.

KNIVES. Propagating. Ivory handle. Each, \$1.50; by mail, \$1.55.

Propagating. "The Vaughan," best of all.

Each, 75c; by mail, 80c.

Budding and Propagating. Two blades, ivory handle. Each, \$1.60; by mail, \$1.65.

Pruning. Stag handle, English. Each, \$1.50; by mail, \$1.55.

German Pruning. \$1.00; by mail, \$1.05.

LABELS, Wooden, for Pots. Per 100 1000

4 in., painted.....\$0.15 \$1.10

5 in., painted..... .25 1.60

Tree (wired) 3 $\frac{1}{2}$ in..... .25 1.60

Cypress.—For use outside, will last for years,

16x1 $\frac{1}{2}$ in. Doz., 35c; 100 for \$2.50; 18x2 in.

doz., 45c, 100, \$3.25.

LAWN SWEEPER

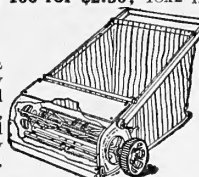
The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24 in. cut. Each, \$20.00.

LEAF MOLD. Per bbl., \$2.50.

LEAF CART. A hand cart frame with a very light metal rack. Complete with truck. \$16.00.

PEAT. For potting Orchids, etc. Per bbl., \$2.50

Peat. For potting Azaleas..... Per bbl., 2.00



PLANT TUBS—Columbian. Made of the best pine lumber. Has twelve staves in tapered shape, held together by two steel wires. Natural varnish finish. Measurements are outside of tub.

F. O. B. Chicago only.

11	by 11 $\frac{1}{2}$ inches.....	Each, \$1.00; 4 for \$3.80
14	by 15 inches.....	Each, 1.50; 4 for 5.60
16 $\frac{1}{2}$	by 18 inches.....	Each, 2.00; 4 for 7.50
19	by 21 inches.....	Each, 2.50; 4 for 9.40
21	by 24 inches.....	Each, 3.00; 4 for 11.00

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1	6x6	\$0.35	9	14x13	\$1.10
3	8x8	.40	11	16x15	1.40
5	10x9	.50	13	18x17	1.80
7	12x11	.75	14	19x18	2.25

If handles are required add 15c per tub.

The first numeral is diam. at top; the second is depth.

Japanese Wooden Plant Tubs. Outside measurements, 13 $\frac{1}{2}$ in. high x 14 $\frac{1}{2}$ in. wide. Inside measurements, 10 $\frac{1}{2}$ in. high x 12 $\frac{1}{2}$ in. wide. Finish natural, each, \$1.00.

Dark Oak Stain with willow green enameled hoops, each, \$1.25.

PUTTY (Twemlow's Old English). Semi-liquid.

To be used in same manner as Mastic.

Price, per gal., \$2.10.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.00. Mailing weight, 1 lb.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully, but will not be responsible for breakages in transit.

Doz.	100	1000	Doz.	100
2 in.....	\$0.17	\$0.80	6 in.....	\$0.80
2 $\frac{1}{2}$ in.....	.20	.95	7 in.....	1.35
3 in.....	.27	1.35	8 in.....	1.60
4 in.....	.43	2.00	10 in.....	each, 40c.
5 in.....	.55	3.90	12 in.....	each, 55c.

BULB OR FERN PANS (RED)

Each	Doz.	Each	Doz.
5 in.....	\$0.08	8 in.....	\$0.17
6 in.....	.10	10 in.....	.30
7 in.....	.14	1.35	3.00

SAUCERS.—Fibre, waterproof and unbreakable.

Each	Doz.	Each	Doz.
5 in.....	\$0.18	9 in.....	\$0.30
6 in.....	.22	10 in.....	.38
7 in.....	.24	12 in.....	.38
8 in.....	.27	2.50	3.65

POTTING SOIL. This mixture is prepared by us.

Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 35c; bu., \$1.00; bbl., \$2.00.

RAKES. Steel Bow Garden. Best, does not break in center; 12 teeth; 60c; 14 teeth, 75c; 16 teeth, 90c.

Garden. 12 teeth, 50c; 14 teeth, 60c; 16 teeth, 75c.

LAWN RAKES



Automatic Self-Cleaning.

A backward motion of the operator clears all the teeth at once. Each, 75c.



Lawn Queen. Wire teeth, reversible head, 24 teeth; each, 45c; 36 teeth, each, 75c.

SAWS. Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. Each, \$1.75; extra blades, 25c.

SHEARS (Pruning)—Domestic, 8 $\frac{1}{2}$ in. each, 60c. California style, 8 $\frac{1}{2}$ in. each, \$1.35. Bright cast steel with coil spring, each, \$1.25.

SPRINKLERS. The Lenox. A splendid sprayer for in or outdoor plants, rose bushes, etc. Each, 50c; by mail, 55c; extra bulbs, 15c each.

Scollay's Rubber. Indispensable for floral work. Large, \$1.30; by mail, \$1.10; Medium, 75c; by mail, 82c. Small, 60c; by mail, 65c.

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$1.90; 6 quart, \$2.25; 8 quart, \$2.50; 10 quart, \$2.75; 12 quart, \$3.00.

French Style. Oval, otherwise same make as above; 6 quart, \$2.50; 8 quart, \$2.75; 10 quart, \$3.00; 12 quart, \$3.25.

JEANNE D'ARC

DR. BERNICE

CAPRICE

MONSIGNOR

STORM CLOUD
(NUÉE D'ORAGE)

Vaughan's HARDY IRIS

Vaughan's Exhibition Set

LORELY—Immense flower. "Standards" pale yellow, "Falls" violet bordered pale yellow, with purple veinings. A very pleasing contrast. Each, 20c; per doz. \$2.00.

RHEIN NIXE—Tall grower and very large flower, "Standards" white; "Falls" violet with a white edge. Undoubtedly one of the best. Each, 30c; per doz. \$3.00.

MONSIGNOR—"Standards" satiny violet; "Falls" velvety purple-crimson. Very large flowers, deliciously perfumed. Each, 40c; per doz. \$4.00.

STORMCLOUD (Nuée d'Orage)—A splendid new Iris. "Standards" pale slaty-blue; "Falls" deep blue, with brownish violet veins. Flowers are immense. Each, 75c; per doz. \$7.50.

JEANNE d'ARC—This delicately colored Iris is one of our best. "Standards" clear lilac; "Falls" almost pure white, bordered lilac. A lovely flower of large proportions. Each, 50c; per doz. \$5.50.

SPECIAL PREPAID OFFER FOR ABOVE FIVE

No. 57A.—One strong plant of each (5 plants) \$2.00.

No. 57B.—Three strong plants of each (15 plants) \$5.50.

Vaughan's Amateur Set

CAPRICE—This is the nearest to a pure red very attractive flower "Standards" and "Falls" pure rosy purple. Sweet scented. Each, 30c; per doz. \$3.00.

MAORI KING. Splendid orange yellow flowers, the "Falls" having a deep maroon blotch on yellow ground. Very fine. Each 30c; doz. \$3.00.

DR. BERNICE—A very handsome color contrast, the "Standards" being coppery bronze, and "Falls" velvety crimson. Each, 30c; per doz. \$3.00.

PALLIDA DALMATICA—A wonderful color and a wonderful flower, either in the garden or when cut. Blooms are large, of the purest lavender, and are borne four and five on a stem. Each, 30c; per doz. \$3.00.

KHARPOT. One of the best purple Irises. Very large flowers, the "Standards" and "Falls" being rich violet purple. Each, 25c; doz. \$2.50.

SPECIAL PREPAID OFFER FOR ABOVE FIVE

No. 57C.—One strong plant of each (5 plants) for \$1.25.

No. 57D.—Three strong plants of each (15 plants) for \$3.25.

Special Offer Cover Collection

Prepaid prices for those illustrated above.

JEANNE d'ARC. DR. BERNICE. CAPRICE
STORMCLOUD. MONSIGNOR.

No. 58.—One strong plant of each (5 plants) \$2.00.

No. 58A.—Three strong plants of each (15 plants) \$5.50.

No. 58B.—Six strong plants of each (30 plants) \$10.00.

For complete collection of Hardy Iris
See page 31 of this Catalogue

NEW YORK **VAUGHAN'S** CHICAGO
SEED STORE